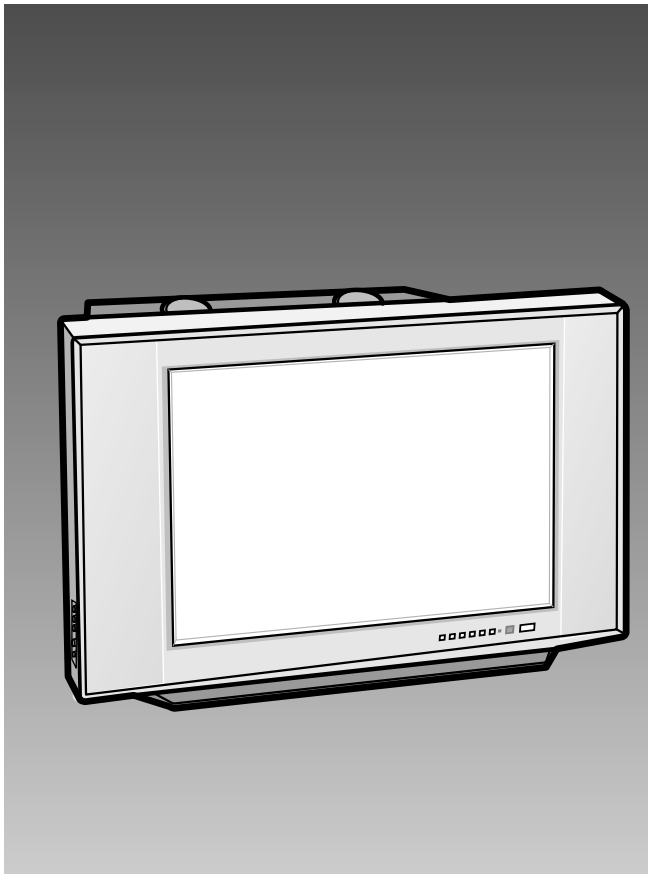
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : S53A
Model: CS29A6HP2X/ANB

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

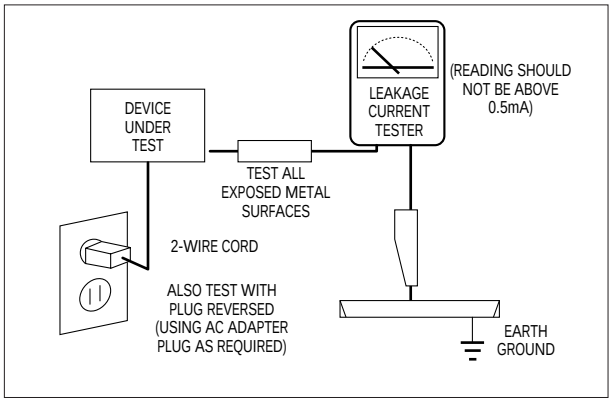

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.
   Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced.
   (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-2 Table of Acronyms

ABL	Automatic Brightness Limiter
AC	Alternating Current
ACC	Automatic Chroma Control
AF	Audio Frequency
AFC	Automatic Frequency Control
AFT	Automatic Fine Tuning
AGC	Automatic Gain Control
AM	Amplitude Modulation
ANSI	American National Standards Institute
APC	Automatic Phase Control
APC	Automatic Picture Control
A/V	Audio-Video
AVC	Automatic Volume Control
BAL	Balance
BPF	Bandpass Filter
B-Y	Blue-Y
CATV	Community Antenna Television (Cable TV)
CB	Citizens Band
CCD	Charge Coupled Device
CCTV	Closed Circuit Television
Ch	Channel
CRT	Cathode Ray Tube
CW	Continuous Wave
DC	Direct Current
DVM	Digital Volt Meter
EIA	Electronics Industries Association
ESD	Electrostatic Discharge
ESD	Electrostatically Sensitive Device
FBP	Feedback Pulse
FBT	Flyback Transformer
FF	Flip-Flop
FM	Frequency Modulation
FS	Fail Safe
GND	Ground
G-Y	Green-Y
H	High
HF	High-Frequency
HI-FI	High Fidelity
IC	Inductance-Capacitance
IC	Integrated Circuit
IF	Intermediate Frequency
I/O	Input/output
L	Left
L	Low
LED	Light Emitting Diode
LF	Low Frequency
MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
MTS	Multi-channel Television Sound
NAB	National Association of Broadcasters
NEC	National Electric Code
NTSC	National Television Systems Committee
OSD	On Screen Display
PCB	Printed Circuit Board
PLL	Phase-Locked Loop
PWM	Pulse Width Modulation
QIF	Quadrature Intermediate Frequency
R	Right
RC	Resistor & Capacitor
RF	Radio Frequency
R-Y	Red-Y
SAP	Second Audio Program
SAW	Surface Acoustic Wave(Filter)
SIF	Sound Intermediate Frequency
SMPS	Switching Mode Power Supply
S/N	Signal/Noise
SW	Switch
TP	Test Point
TTL	Transistor Transistor Logic
TV	Television
UHF	Ultra High Frequency
UL	Underwriters Laboratories
UV	Ultraviolet
VCD	Variable-Capacitance Diode
VCO	Voltage Controlled Oscillator
VCXO	Voltage Controlled Crystal Oscillator
VHF	Very High Frequency
VIF	Video Intermediate Frequency
VR	Variable Resistor
VTR	Video Tape Recorder
VTVM	Vacuum Tube Voltmeter
TR	Transistor

2-2 IC Line Up

Table 2 - 3 IC Line - Up

NO	BOARD	LOC. NO	SPEC.	DESCRIPTION	REMARKS
1	POWER	IC801	STR6709	SMPS	
		IC805	PC123Y	PHOTO-COUPLER	
		IC806	KA7805A	REGULATOR(STD-5V)	
		IC803	TOP210ES	STAND-BY SMPS	
		IC403	TDA8145	E-W IC	
		IC301	LA7845	VERTICAL IC	
		Q801	TIP102	TR-DARLINGTON SMPS	
		Q805	SE135N	ERROR AMP	
		Q404	BUZ73A	H-DRIVE	
		Q405	2SC5331		
		D806	RBV606	BRIDGE DIODE	
		D407	IMP3FU	H-DRIVE	
2	F_BOX	IC1	CIP3250	RGB INVERTER	
		IC2	VPC3215C	VIDEO INVERTER	
		IC3	SDA9362	DIGITAL DEFLECTION CONTROL	
		IC4	SDA9254	MEMORY(NOISE REDUCTION)	
		IC5	SDA9220	MEMORY SYNC CONTROL	
		IC6	SDA9280	DISPLAY-PROCESSOR	
		IC7	7705AC	POWER-ON RESET GENERATOR	
3	MAIN	IC101	TDA9810	MULTISTANDARD VIF-PLL WITH QSS-IF AND AM DEMODULATOR	
		IC201	TDA4780	RGB VIDEO PROCESSOR	
		IC601	TDA7265	AUDIO AMP.	
		IC701	TEA6415C	VIDEO MATRIX SWITCH	
		IC801	KA7809A	REGULATOR	
		IC802	SI3050		
		IC803			

Table 2 - 3 IC Line - Up					
NO	BOARD	LOC. NO	SPEC.	DESCRIPTION	REMARKS
3	MAIN	IC804	KA7812	REGULATOR	
		IC805	KA7808		
		IC806	KA7809		
		IC901	SDA5457	MICOM, TTX	OPTION(OTP)
		IC902	24W16	EEPROM	
		IC903	KIA7042	DETECTOR	
		TU01	TECC2949PG29A(S)	TUNNER	W/O,1-TUNER
		TU02	TECC2849PG029(S)		2-TUNER PIP
		ICP01	SAA1300	IC-ANALOG SWITCH	
4	AUDIO	IC601	MSP3410D	MULTISTAND SOUND PROCESSOR	
		IC603	TDA7050	OP AMP	
5	CRT	IC501	TDA6111Q	VIDEO OUTPUT AMPLIFIER R,G,B DRIVE	
		IC502			
		IC503			
		QF09	2SA1011	PUSH-PULL	
		QF10	2SC2344		
		IC504	TDA2030	OP AMP	
		IC505	SPK102T	SPOT KILLER	
	MICOM	IC901	SDA5250M/C17	CONTROLLER	OPTION (PIGGYBACK)
		IC902	49HF010	FRESH MEMORY	
6	PIP	ICP101	TDA9160A	COLOR-DECODER	
		ICP102	TDA9815	MULTISTANDARD IF	
		ICP103	PAP101	PRE AMP	
		ICP105	SDA9189X	PICTURE PROCESS	
		ICP201	SDA9187-2X	A/D CONVERTER	

3. Specifications

3-1 General Specifications

MODEL		CS29A6HP
SYSTEM	TUNING	Frequency Synthesizer
	COLOR	PAL, SECAM, NTSC
	SOUND	NICAM, A2 STEREO
ANTENNA INPUT		75ohms,Coaxial Cable
POWER	CONSUMPTION	145W
	REQUIREMENTS	Input Range : 160V ~ 260V - Through MAY 1999 Free Voltage (110V ~ 260V) - Starting JUNE 1999
	FREQUENCY	50Hz/60Hz
TUBE	SIZE	29" (72Cm)
	TYPE	4:3 FLAT
PROGRAMMABLE CHANNELS		100
SOUND OUTPUT		Right : 15W Left : 15W
SOCKETS	FRONT	RCA : Input/S-VHS Headphone Audio Output
	BACK (3 RCA)	AV-1 : EXT. Input AV-2 : EXT. Input Monitor-Out : EXT. Out

Specifications are subject to change.

3-2 Different between Single Power Supply and Free Volt (Flat)

LOC NO	SINGLE POWER SUPPLY			FREE VOLT			REMARK
	CODE-NO	DESCRIPTION	SPECIFICATION	CODE-NO	DESCRIPTION	SPECIFICATION	
L801	AA29-30002F	FILTER-LINE NOISE	6mH,2.45A,	AA29-30002M	FILTER-LINE NOISE	1mH,5A,	LINE-FILTER
L802	AA29-30002F	FILTER-LINE NOISE	6mH,2.45A,	DELETE			
C802	2306-000318	C-FILM,MPPF	220nPF,20%,250V,TP	DELETE			LINE-CAP'
J01	DELETE			3812-000219	JUMPER		Added (when deleting LINE-FILTER)
J02	DELETE			3812-000219	JUMPER		
R849	2001-001143	R-CARBON(S);	4.3KOHM,5%,1/2W,	DELETE			Improvement in "No Power ON at low Voltage"
C814	2401-003190	C-AL	470uF,20%,450V,GP	2401-003465	C-AL	680uF,20%,450V,GP	BLOCK-CAP'
R810	2009-001001	R-METAL PLATE;	0.12ohm,10%,5W	2009-000017	R-METAL PLATE;	0.1ohm,10%,5W,TP	Limit of Low-Voltage Current
C806	2306-000323	C-FILM,MPPF	2.2nF,5%,1.6KV,TP	2306-000324	C-FILM,MPPF	3.3nF,5%,1.6KV,TP	SNUBBER CAP'
R845	2001-001112	R-CARBON(S);	24KOHM,5%,1/2W,	2001-001075	R-CARBON(S);	13KOHM,5%,1/2W,	SOUND MUTE
T801	AA26-20006X	TRANS-SWITCHING	160-260V, 130/30/24/8/16V, EU,EE555521,650UH	AA26-00028A	TRANS-SWITCHING	900-260V, 130/25/24/8/16V, EU,EE555521,420UH	FREE VOLT S/W TRANS

4. Alignment and Adjustments

4-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. Observe the picture for good black and white details. There should be objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

4-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color purity and Convergence adjustments.

4-3 High voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B+ power supply should be +135 volts (with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.

2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).

3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 32 KV under any conditions.

4-4 RF AGC Adjustment

1. Turn to the strongest local station.
2. Turn the AGC control fully clockwise (VR101, on the MAIN board).
3. Adjust the AGC control until noise (snow) disappears from the screen.

4-5 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-6 SCREEN Adjustment

1. Turn to the ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the SCREEN control for well defined scanning lines in the center area of the screen.

4-7 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke. Tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set it as shown in Fig. 4-1.
4. Input a black and white signal.
5. Fully demagnetize the receiver by using an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke.
   Slide the yoke backward or forward to produce a vertical green belt. (Fig.4-2)
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward.
   Adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the -low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

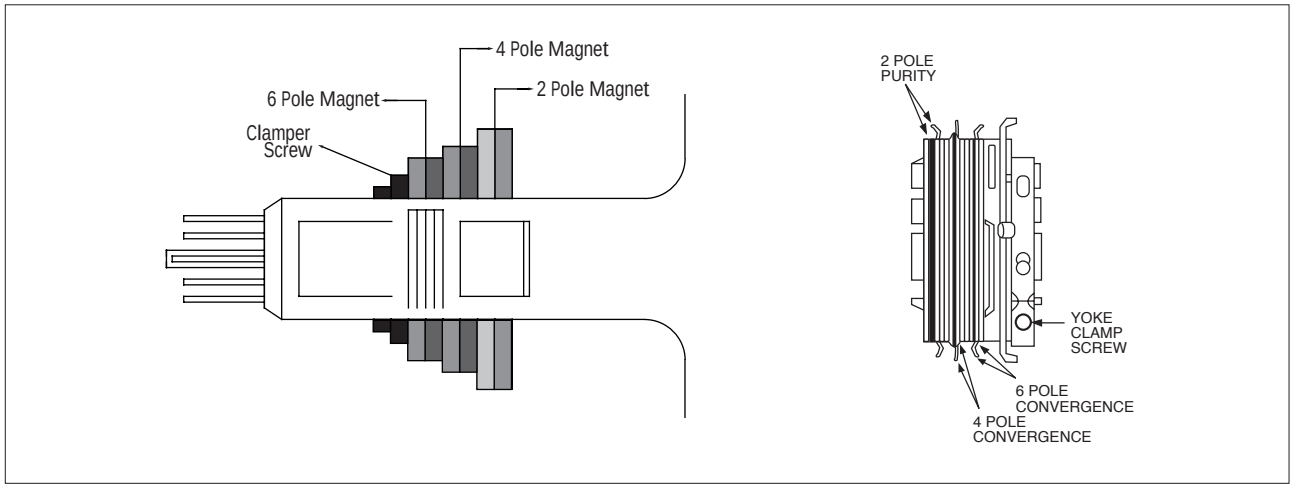


Fig. 4-1 Convergence Magnet Assembly

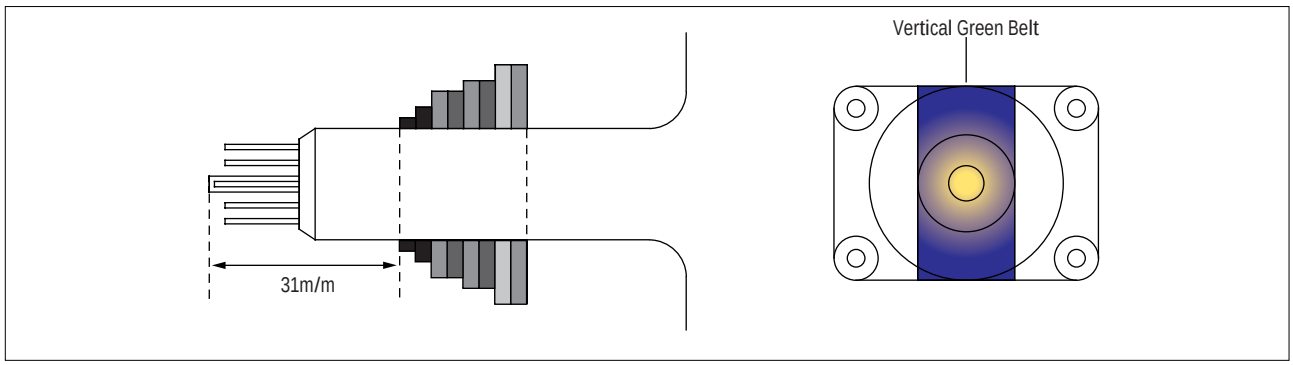


Fig. 4-2 Center Convergence Adjustment

4-8 Center Convergence Adjustment

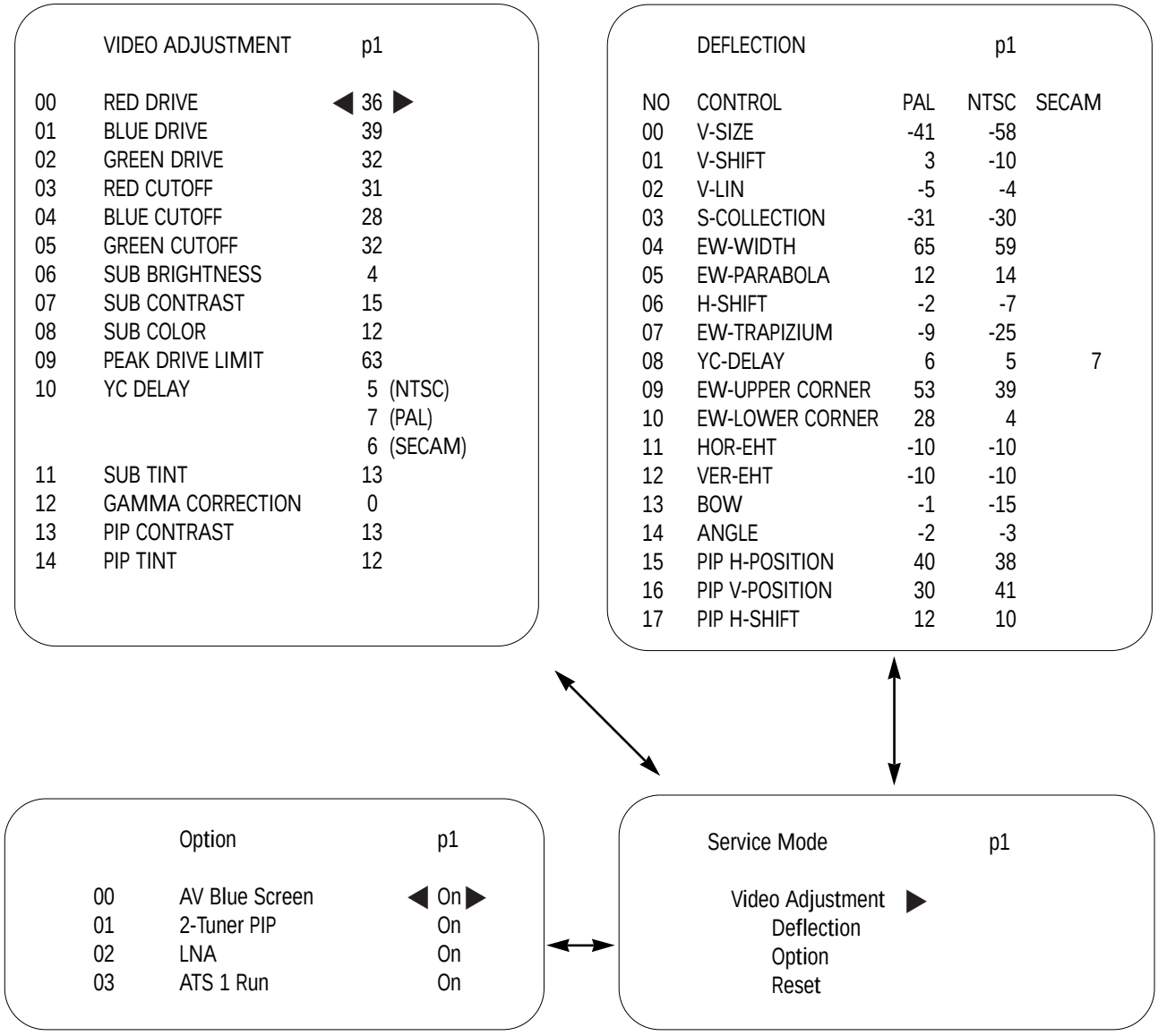
1. Warm up the receiver for at least 20 minutes.
2. Adjust the BRIGHTNESS and CONTRAST controls for a well-defined picture.
3. Adjust the two tabs of the 4-pole magnets: Change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
4. Turn both tabs at the same time, keeping the angle constant: Superimpose the red and blue horizontal lines in the center of the screen.
5. Adjust two tabs of 6-pole magnets: Superimpose the red and blue lines with the green. Adjusting the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 2~4, if necessary.
7. Since the 4-pole and 6-pole magnets interact, the dot movement is complex (Fig. 4-3).

Fig 4-3 Center Convergence Adjustment

4-9 Service Mode

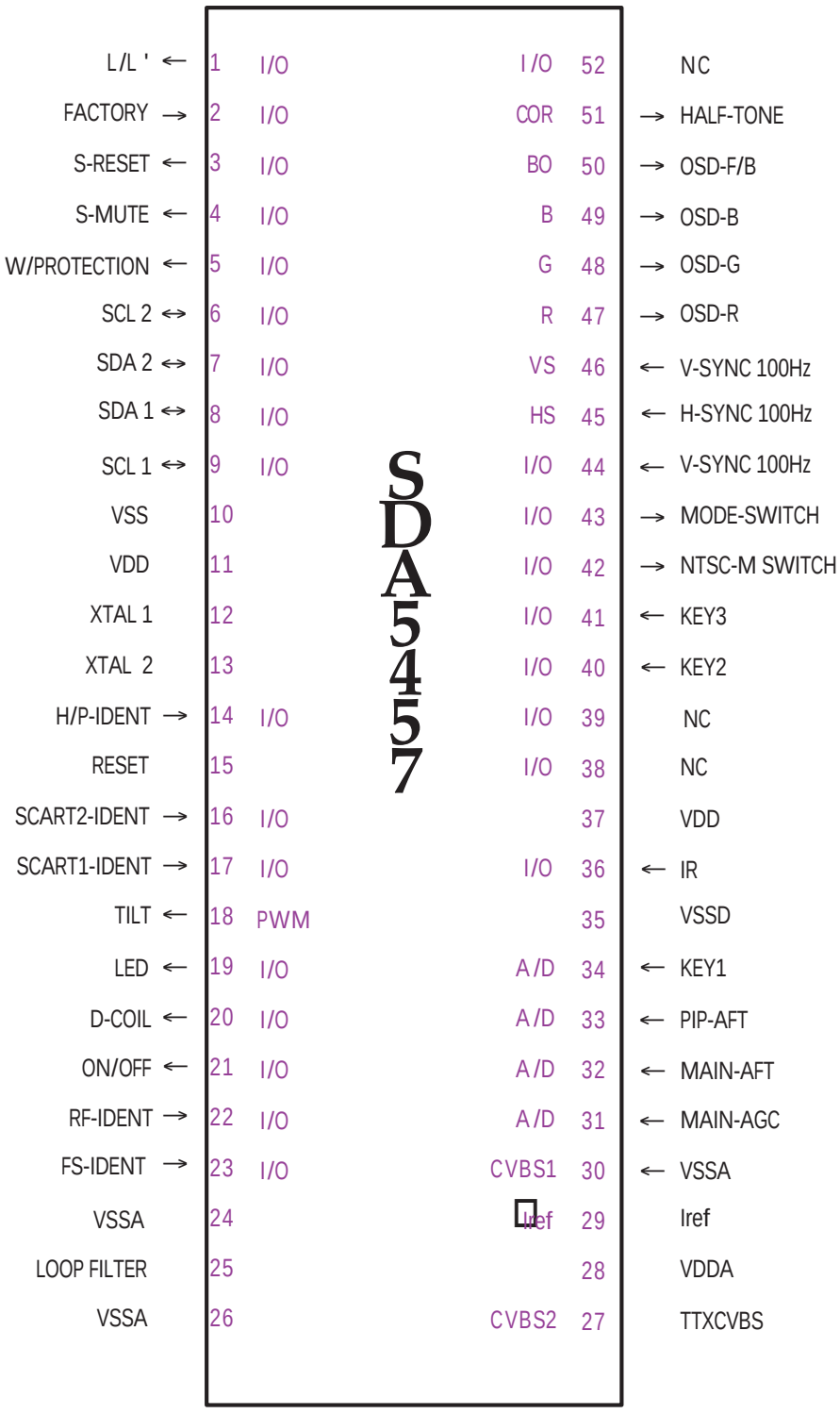
1. Enter the Factory Mode. Press the remote-control keys in this sequence:

2. Use the channel and volume keys (up/down) to move the cursor. Select an alignment parameter. Use the volume keys (up/down) to adjust the value. Adjustment must be done separately for PAL, SECAM, NTSC color systems. (As soon as the TV receives a signal, it switches to the correct broadcast standard.) After adjustments are completed, press the picture off key to exit the Service Mode. Press the digit keys to directly change channel number.



4-10 MICOM

4-10-1 Pin Layout



4-10-2 Pin Assignment Specification

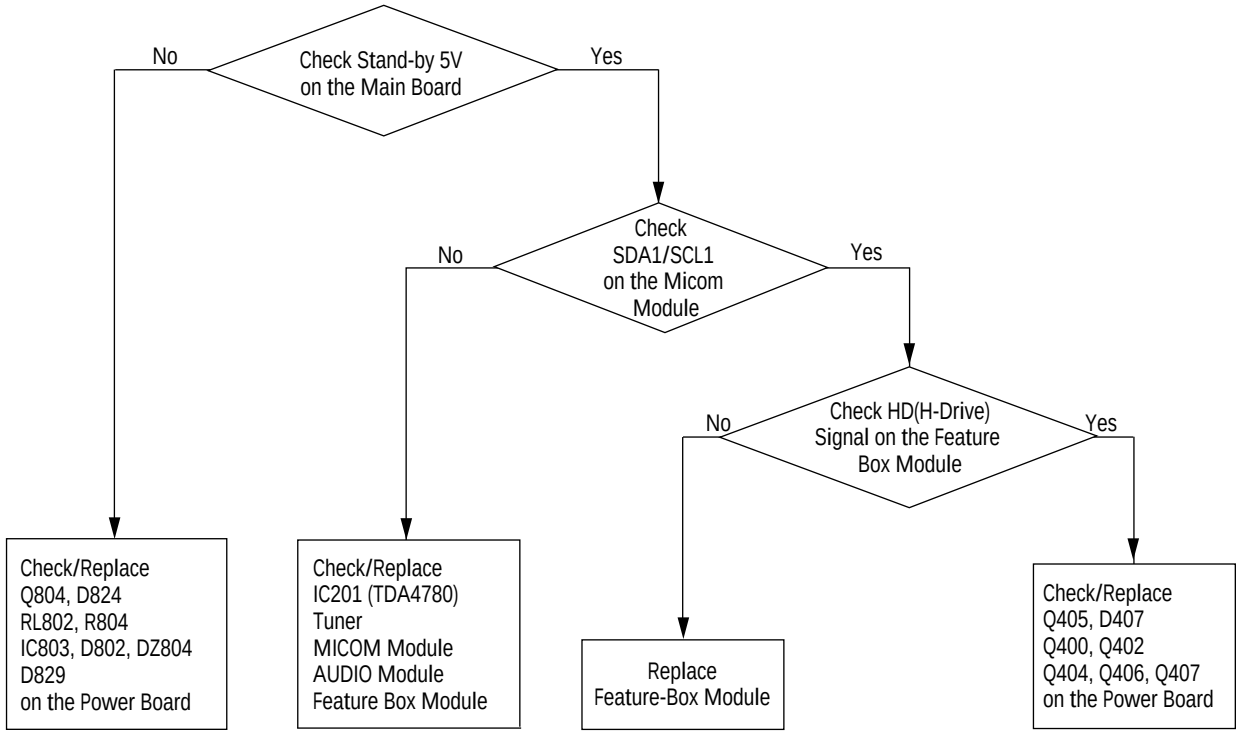
PIN NO	FUNCTION	ASSIGN	IN/OUT	ACTIVE H/L	DESCRIPTION
1		L/L'	O		
2		FACTORY	I		
3		SOUND RESET	O		
4		SOUND MUTE	O		
5		W/PROTECTION	O		EEPROM WRITE PROTECTION
6	SCL	SCL	I/O		SCL2,SDA2
7	SDA	SDA	I/O		
8	SDA	SDA	I/O		SCL1,SDA1
9	SCL	SCL	I/O		
10	Vss	GNDD			DIGITAL GND
11	Vdd	VDD			DIGITAL B+
12	XTAL1	XTAL1		6MHz	X-TAL OSC INPUT
13	XTAL2	XTAL2			X-TAL OSC OUTPUT
14	I/O	H/PID	I	H	H/P IDENT
15	RESET	RESET			MICOM HARDWARE RESET
16	I/O	SCART2-ID	I	H	SCART2 IDENT
17	I/O	SCART1-ID	I	H	SCART1 IDENT
18	I/O	TILT	O	PWM	TILT CONTROL
19	I/O	LED	O		PICTURE ON/OFF LED CONTROL
20	I/O	D-COIL	O	H	DEGAUSSING COIL CONTROL
21	I/O	ON/OFF	O	ON:L	PICTURE ON/OFF CONTROL
22	I/O	RF-ID	I	H	NO SIGNAL SOUND MUTE FOR ITALY SCART OUT
23	I/O	FS-ID		L	FRONT S-VHS IDENT
24	Vssa	VSSA			

4-10-2 Pin Assignment Specification (Continued)

PIN NO	FUNCTION	ASSIGN	IN/OUT	ACTIVE H/L	DESCRIPTION
25	FIL3	LOOP FILTER			
26	Vssa	VSSA			ANALOG GND
27	CVBS2	TTX-CVBS	I		TTXCVBS INPUT
28	Vdda	VDDA			ANALOG B+
29	Iref				
30	Vssa	VSSA			ANALOG GND
31	A/D	M-AGC	I		CHECK(2-TUNER PIP) FOR LNA ON/OFF GAIN - MORE THAN 2.5V
32	A/D	M-AFT	I		MAIN AFT CONTROL
33	A/D	P-AFT	I		PIP AFT CONTROL(2-TUNER PIP)
34	A/D	KEY1	I		PANEL MENU, CH.UP/DOWN, VOL.UP/DOWN CONTROL
35	Vss	VSSD			DIGITAL GND
36	I/O	IR	O		IR INPUT
37	Vdd	VDD			DIGITAL B+
38	NC				NOT USED
39	NC				NOT USED
40	I/O	KEY2	I	L	PANEL MUTE KEY CONTROL
41	I/O	KEY3	I	L	PANEL TV/VIDEO KEY CONTROL
42	I/O	NTSC-M	O	H	VIDEO SAW FILTER CONTROL
43	I/O	MOD-S/W	O	L	POSITIVE MODULATION, AGC
44	I/O	/VS2	I		INVERTER VS2
45	HS	HS2	I		HORIZONTAL SYNC INPUT 32KHz
46	VS	VS2	I		VERTICAL SYNC INPUT 100Hz
47	R-OUT	R	O		OSD R,G,B / F-SW
48	G-OUT	G	O		
49	B-OUT	B	O		
50	BLANK OUT	F/B	O		
51	I/O	HALF-TONE	O		HALF TONE CONTROL
52	NC				NOT USED

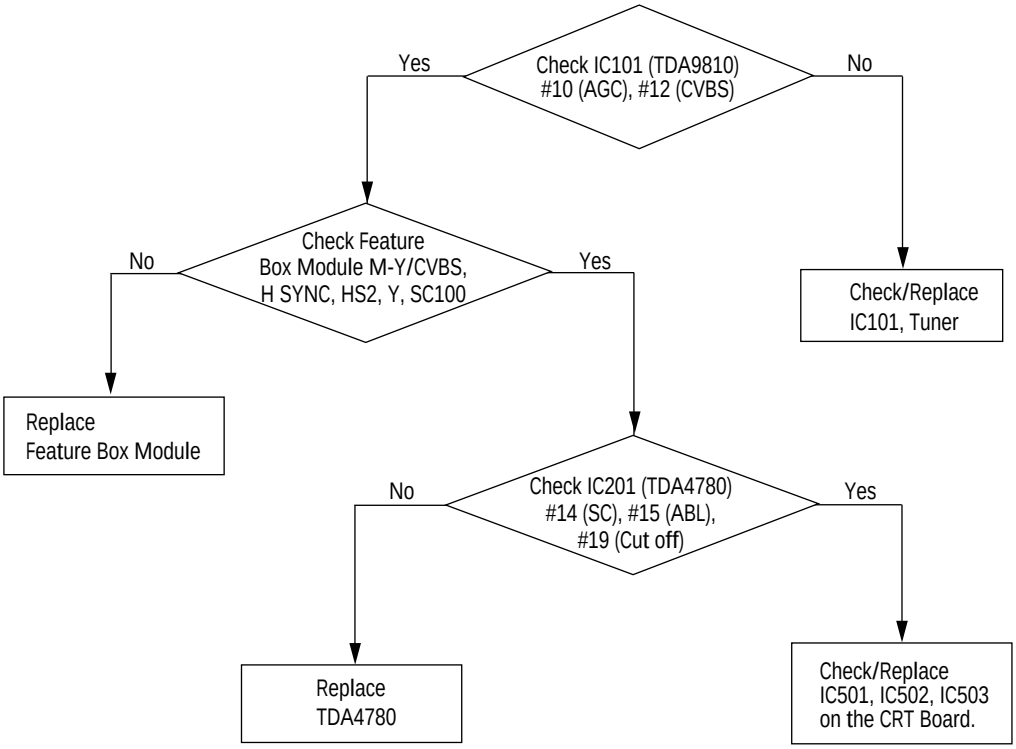
5. Troubleshooting

5-1 No Power

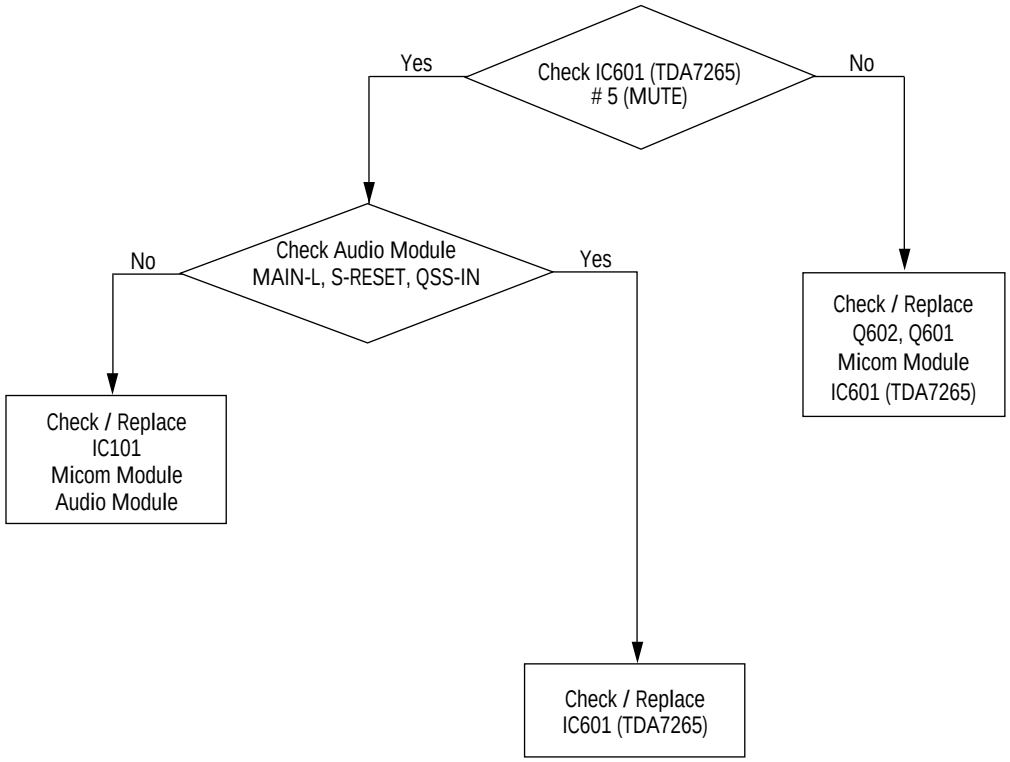


Note : When Picture OFF, SDA = 5V SCL = 2V
When Picture ON, SDA = 5V SCL = 5V

5-2 No Picture



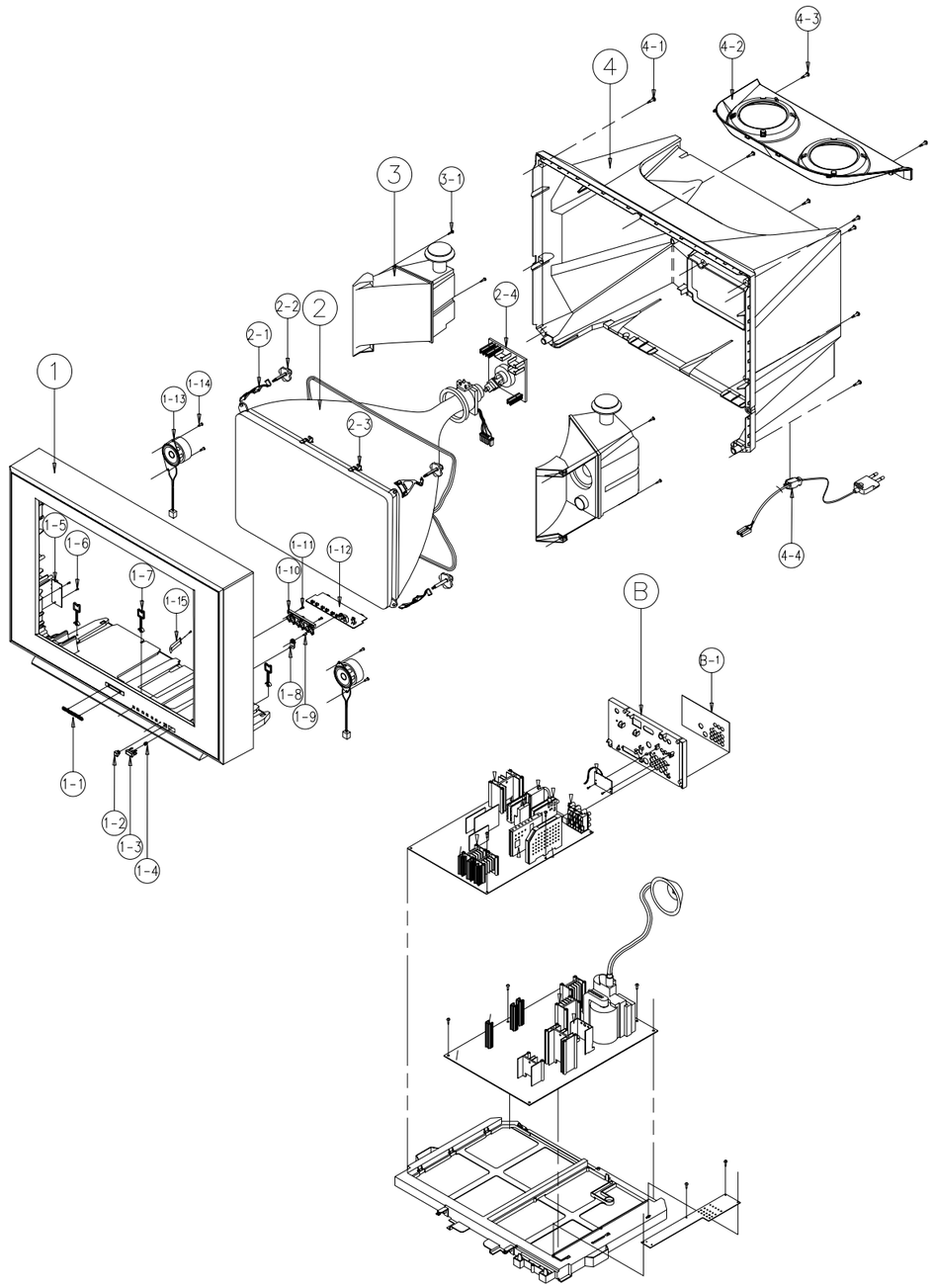
5-3 No Sound


Check IC601 (TDA7265)
5 (MUTE)
Yes
No
Check Audio Module
MAIN-L, S-RESET, QSS-IN
No
Yes
Check / Replace
IC101
Micom Module
Audio Module
Check / Replace
Q602, Q601
Micom Module
IC601 (TDA7265)
Check / Replace
IC601 (TDA7265)

MEMO

6. Exploded View & Parts List

6-1 CS29A6HP2X/ANB



No	Code No	Description	Specification	Q'ty	Remark
1	CABINET-FRONT	AA64-00026P	";-,CS-29A6HP S53A,S704P+B70	1	
1-1	BADGE-BRAND	AA64-70117B	;AL,SS,SILVER,L65,R2000,-,-	1	
1-2	WINDOW-REMOCON	AA64-40516B	;-,29A6,-,PC,V0,VIOLET,-	1	
1-3	KNOB-POWER	AA64-10792C	;-,29A6,M/S SV704P+W971,ABS,HB	1	
1-4	SPRING-CS	AA61-60003J	;-,SUS304,0.5,OD6,H12,N7,-,-,-	1	
1-5	ASSY-PCB, A/V SIDE	AA95-00276A	;-,CS29A6HP2X/UMG,S53A	1	
1-6	SCREW-TAPTITE	6003-001019	;RH,+,B,M4,L12,ZPC(BLK),SWR	2	
1-7	CLAMP-WIRE	AA65-30105A	;NYLON 66,V2,NTR,15MM,ALL MODE	3	
1-8	INDICATOR-LED	AA64-40517B	;-,-,-,ACRYL,-,CLEAR,-	1	
1-9	SCREW-TAPTITE	6003-001019	;RH,+,B,M4,L12,ZPC(BLK),SWR	1	
1-10	KNOB-CONTROL	AA64-00028A	;-,29A6,SV808P+W971,ABS,HB,G	1	
1-11	SCREW-TAPTITE	6003-001019	;RH,+,B,M4,L12,ZPC(BLK),SWR	2	
1-12	ASSY-PCB,CONTROL	AA95-00187A	;-,SCT53A,PAL,-	1	
1-13	ASSY-HOLDER,SPK	AA91-00098A	;-,-,4OHM/20W,-,29A6 T/W,	2	
1-14	SCREW-TAPTITE	6003-001019	;RH,+,B,M4,L12,ZPC(BLK),SWR	4	
1-15	BRACKET-CRATER	AA61-10054A	;-,6277,STS304,T0.5,-,-,-	1	
2	CRT-COLOR	AA03-00076A	;-,A68QCP891X004(C),+380MG,29IN	1	
2-1	CLAMP-D,COIL	AA65-30113A	;NYLON 66,V2,BLK,TVI 25~29,-	4	
2-2	SCREW-ASSY	AA60-10050V	;WC,HH,+,M6,L30,SWRCH18A,ZPC(S	4	
2-3	CLAMP-D,COIL	AA65-30017A	;NYLON-66,V0,NTR,DADH300,25	2	
2-4	ASSY-PCB,CRT	AA95-00322A	;-,S53A,29,ASIA,-	1	
3	ASSY-HOLDER,SPK	AA91-00149A	;-,PP,8OHM/15W,BLK,IMPACT	1	
3-1	SCREW-ASSY	AA60-10050A	;WP,RH,+,M4,L25,SWRCH18A,-,ZPC	4	
4	CABINET-BACK	AA64-00027B	;-,72A6,-,HIPS,HB,BLK,-,-	1	
4-1	SCREW-TAPTITE	6003-001025	;RH,+,B,M4,L20,ZPC(BLK),SWR	7	
4-2	COVER-TOP,SPEAKER	AA63-00005B	;-,72A6,-,HIPS,HB,BLK,-	1	
4-3	SCREW-TAPTITE	6003-001025	;RH,+,B,M4,L20,ZPC(BLK),SWR	2	
4-4	ASSY-POWER,CORD	AA96-20109C	;-,CP2/NO(4.0),H/C300,KKP	1	
B	TERMINAL-BOARD,ANT	AA63-40275A	;-,HIPS,BLK,CT3456V,V0	1	
B-1	INLAY-BACK	AA64-60416L	;72A6,S53A SCRAT(2),PS SHEET,-	1	

7. Electrical Parts List

7-1 CS29A6HP2X/ANB

Loc. No.	Code No.	Description ; Specification	Remark

ASSY-PCB,MAIN(OPT)

* AA94-01437AASSY-PCB,MAIN(OPT);CS29A6HP2X/ANB,S53A,M

C101	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C103	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C104	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C105	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C106	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
C107	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C108	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
C109	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C110	2201-000179	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5x3	
C111	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C112	2401-000947	C-AL;22uF,20%,35V,GP,TP,5x11,5	
C113	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C114	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
C115	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
C116	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C117	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
C119	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C120	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C121	2401-001571	C-AL;47uF,+20%-0%,50V,GP,TP,8x11.5,5	
C122	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
C123	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C124	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C125	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C201	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
C202	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
C203	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C204	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C205	2201-000464	C-CERAMIC,DISC;0.03nF,5%,50V,SL,TP,5x3,5	
C206	2305-000196	C-FILM,MPEF;150nF,5%,63V,TP,-,5mm	
C207	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C208	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C209	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C210	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C211	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C212	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C213	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C214	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
C215	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C216	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C217	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C218	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C219	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C220	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C221	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
C222	2201-000653	C-CERAMIC,DISC;0.068nF,5%,50V,SL,TP,5x3,	
C223	2201-000265	C-CERAMIC,DISC;0.18nF,5%,50V,RH,TP,10x3.	
C224	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C225	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C226	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C227	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C228	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C229	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C230	2201-000375	C-CERAMIC,DISC;0.22nF,5%,50V,RH,TP,12.5x	
C231	2201-000144	C-CERAMIC,DISC;0.1nF,5%,50V,NP0,TP,8.5x3	
C232	2201-000375	C-CERAMIC,DISC;0.22nF,5%,50V,RH,TP,12.5x	
C241	2201-000145	C-CERAMIC,DISC;0.1nF,5%,50V,RH,TP,8.5x3,	
C251	2201-000568	C-CERAMIC,DISC;0.047nF,10%,50V,RH,TP,7x3	
C601	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C602	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C603	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C605	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C606	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C607	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C608	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C609	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C610	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C611	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C612	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C615	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C616	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C701	2202-000216	C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3.	
C702	2202-000216	C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3.	
C703	2202-000216	C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3.	
C704	2202-000216	C-CERAMIC,MLC-AXIAL;27pF,5%,50V,SL,TP,3.	
C705	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C706	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C707	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C708	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C709	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C710	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C711	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C712	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C713	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C714	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	
C715	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3	
C716	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C717	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C718	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C719	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C724	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C725	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C726	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C727	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C831	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C832	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C833	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C834	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C835	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C836	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C837	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C838	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C839	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C840	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C841	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C851	2401-002286	C-AL;470uF,20%,16V,WT,TP,10x12.5,5	
C852	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C862	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C863	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C864	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C866	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C870	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C901	2301-000247	C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5	
C902	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C903	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C904	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C905	2201-000487	C-CERAMIC,DISC;33pF,5%,50V,SL,TP,5x3,5m	
C906	2201-000487	C-CERAMIC,DISC;33pF,5%,50V,SL,TP,5x3,5m	
C907	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C908	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C909	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C910	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C911	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C912	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C913	2401-000934	C-AL;22uF,20%,25V,BP,TP,8x11.5,5	
C914	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C915	2201-000234	C-CERAMIC,DISC;0.15nF,5%,50V,NP0,TP,9x3,	
C916	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C917	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C918	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C919	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	

Loc. No.	Code No.	Description ; Specification	Remark
C920	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C921	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C922	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C923	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
C925	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C926	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C927	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
C932	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
C934	2201-000472	C-CERAMIC,DISC;0.33nF,5%,50V,SL,TP,8.5x3	
C935	2202-000295	C-CERAMIC,MLC-AXIAL;68pF,5%,50V,SL,TP,3.	
CLAMP-	AA65-30018A	CLAMP-WIRE;NYLON-66,-,-,DATL-600,DONG-A,	
CLAMP-	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	
CN501A	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN601	AA39-20105D	LEAD CONNECTOR-ASSY;-,YSH250-04,SMP250-0	
CN601A	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
CN701	3722-000195	JACK-SCART;42P,-,SN,BLK,NO	
CN702A	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN803A	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN804A	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN901A	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
CN902A	3711-002646	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
CN903A	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
CP01	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
CP02	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
CP04	2401-002619	C-AL;47uF,20%,25V,GP,TP,5x11,5	
CP05	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP06	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
D102	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D103	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D104	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D201	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D602	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D902	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D904	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D905	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D906	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D907	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D908	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D-COIL	AA27-20002Q	COIL-DEGAUSSING;-,29,14ohm,70T,L3300,E	
DL201	AA29-90003G	FILTER-LC;-,D5121,LP,12MHz,TP	
DZ102	1203-000451	IC-VOLTAGE REGULATOR;33,TO-92,3P,-,PLAST	
DZ201	2004-001915	R-METAL;43Kohm,2%,1/8W,AA,TP,1.8x3.5mm	
DZ202	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ203	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-21.2V,500mW	
DZ204	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-21.2V,500mW	
DZ206	0403-000562	DIODE-ZENER;MTZ7.5B,7.5V,7.07-7.45V,500m	
DZ701	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ702	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ703	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ704	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ705	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ706	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ901	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ902	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ903	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
FI101	2904-000253	FILTER-SAW AV;33.9MHz,DIP10P,ST,17.1dB,P	
FI102	2904-001010	FILTER-SAW AV;32.9~33.4MHz,SIP5P,ST,14.4	
FI103	2903-000181	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,TPS5.5	
FI104	2903-000129	FILTER-CERAMIC;TR,4.5M/4.72MHZ,-,-,-,TP,	
⚠ IC101	1204-001276	IC-SOUND PROCESSOR;TDA9810,DIP,24P,400MI	
⚠ IC201	1204-001108	IC-VIDEO PROCESS;TDA4780/V4,DIP,28P,-,PL	
⚠ IC601	1201-001026	IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1	H/SINK
⚠ IC701	1001-001073	IC-VIDEO SWITCH;TEA6415C,VIDEO SWITCH,DI	
⚠ IC801	1203-000298	IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLAS	
⚠ IC802	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK
⚠ IC803	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLA	H/SINK
⚠ IC804	1203-000243	IC-POSI.FIXED REG.;7812A,TO-220,3P,-,PLA	H/SINK
⚠ IC805	1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	H/SINK
⚠ IC901	AA13-00046A	IC-MCU;SDA545x-OTP 13B,OTP,ST,64K,-,D	
⚠ IC902	1103-001043	IC-EEPROM;24C16,2Kx8BIT,DIP,8P,300MIL,10	
⚠ IC903	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
⚠ ICP01	1001-001038	IC-ANALOG SWITCH;SAA1300,-,SOT-142,9P,-,	

Loc. No.	Code No.	Description ; Specification	Remark
IF-CAB	AA39-30007B	IF-CABLE;-,T,150mm,1365#26	
IF-SHI	AA63-40279A	SHIELD-CASE-IF;-,SPTE,T0.25,SCT53A,CW764	
J224	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
J225	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
J259	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
J260	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
J266	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
L101	AA26-10006G	TRANS-IF;-,7mG,VIF,-,7mm,8pF,77.8MHz,ST	
L102	2701-000299	INDUCTOR-AXIAL;13UH,10%,2.5X3.4MM	
L103	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L104	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
L105	2701-000120	INDUCTOR-AXIAL;12uH,10%,2.5x3.4mm	
L106	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L107	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L108	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L109	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L110	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L113	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L201	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L202	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
L203	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
L204	2701-000149	INDUCTOR-AXIAL;2.7uH,10%,2.5x3.4mm	
L205	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L206	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L208	2701-001040	INDUCTOR-AXIAL;10uH,10%,4.5x14mm	
L601	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L602	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L603	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L604	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L701	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L702	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L703	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L704	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L705	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L706	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L707	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L708	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L709	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L903	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L904	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L905	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
L906	2701-000106	INDUCTOR-AXIAL;1.5uH,10%,3x7mm	
LP01	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
LP02	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
LP04	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP05	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP06	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
PCB	AA41-10989C	PCB-MAIN;S53A,1A,FR-1,330X245X1.6T,1A,-	
Q101	0504-000137	TR-DIGITAL;KSR1202,PNP,300mW,10K/10K,TO-	
Q102	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q104	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q105	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q106	0501-000245	TR-SMALL SIGNAL;BC548C,NPN,500mW,TO-92,T	
Q107	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q108	0504-000150	TR-DIGITAL;KSR2010,PNP,300mW,10K,TO-92,T	
Q109	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q201	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q202	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q204	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q601	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q602	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
Q701	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q702	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q703	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q704	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q705	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q706	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q707	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q708	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q709	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q901	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q902	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q903	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q904	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	

Loc. No.	Code No.	Description ; Specification	Remark
Q905	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q906	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q907	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q908	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q909	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q910	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q911	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
R101	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R102	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R103	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R104	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R105	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R106	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R107	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R108	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R109	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R110	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R111	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R113	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R116	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R117	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R118	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R119	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R120	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R121	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R122	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R123	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R124	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R125	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R126	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R127	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R128	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R201	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R202	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R203	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R204	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R206	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R207	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R208	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R209	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R210	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R211	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R212	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R213	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R214	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R215	2001-000004	R-CARBON;200KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R216	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R217	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R218	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R219	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R220	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R221	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R222	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R223	2001-000869	R-CARBON;560HM,5%,1/8W,AA,TP,1.8X3.2MM	
R224	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R225	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R226	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R227	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R228	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R229	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R230	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R231	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R232	2001-000958	R-CARBON;750OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R233	2001-000958	R-CARBON;750OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R234	2001-000958	R-CARBON;750OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R235	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R236	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R237	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R238	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R239	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R240	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R241	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R250	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R251	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R601	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
R602	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
R603	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
R604	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
R606	2001-001182	R-CARBON(S);7.5KOHM,5%,1/2W,AA,TP,2.4X6.	
R607	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
R608	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R610	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R611	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R612	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R614	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
R701	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R702	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R703	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R704	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R705	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R706	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R707	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R708	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R709	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R710	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R711	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R712	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R713	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R714	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R715	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R716	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R717	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R718	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R719	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R720	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R721	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R722	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R723	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R724	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R725	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R727	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R728	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R729	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R730	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R732	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R733	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R734	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R735	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R736	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R737	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R738	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R739	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R740	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R741	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R742	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R743	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R745	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R746	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R747	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R748	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R749	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R750	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R801	2006-000295	R-CEMENT;11ohm,5%,5W,CB,TP,9x13x25mm	
R901	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R902	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R903	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R904	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R905	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R906	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
R907	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R908	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R909	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R910	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R911	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R912	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R913	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R914	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R915	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R916	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R917	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R918	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Loc. No.	Code No.	Description ; Specification	Remark
R919	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R920	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R921	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R922	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R923	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R924	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R925	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R926	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R927	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R928	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R929	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R930	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R931	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R932	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R933	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R934	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R935	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R936	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R937	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R938	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R939	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R940	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R941	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R942	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R943	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R944	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R945	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R946	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R947	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R948	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R949	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R950	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R951	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R952	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R953	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R954	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R955	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R956	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R958	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R959	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R960	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R961	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R962	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R963	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R964	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R966	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R967	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R971	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R972	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R973	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R974	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R975	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R976	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R980	2001-000005	R-CARBON;390ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP01	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RP03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP04	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP05	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP06	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP07	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP08	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP09	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP10	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP11	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP12	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP13	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
TU01	AA40-10006S	TUNER-F/S;TECC2949PG30A(S),PAL-B/G,TR,18	
TU02	AA40-10006T	TUNER-F/S;TECC2849PG29A(S),PAL-B/G,TR,18	
VR101	2103-000672	VR-SEMI;20Kohm,25%,1/5W,TOP	
X901	2801-000724	CRYSTAL-UNIT;6MHz,50ppm,28-AAM,20pF,40oh	

ASSY-CHASSIS,PART

*	AA90-00063A	ASSY-CHASSIS,PART;K56B,29A6	

Loc. No.	Code No.	Description ; Specification	Remark
AV	AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	
HOLDCH	AA61-20271A	HOLDER-CHASSIS;-,CS823V,HIPS,V0,GRY,-	

ASSY-CABINET,FRONT

*	AA90-00132G	ASSY-CABINET;29A6,CS29A6HP2X/ANB	
*	AA91-00031X	ASSY-CABINET,FRONT;-,CS-29A6HP M-ASIA,(S	
AV+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
BACKCA	AA64-00027B	CABINET-BACK;-,72A6,-,HIPS,HB,BLK,-,-	
BRAC+C	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
BADGBR	AA64-70117B	BADGE-BRAND;AL,SS,SILVER,L65,R2000,-,-	
BRAC+C	AA61-10054A	BRACKET-CRATER;-,6277,STS304,T0.5,-,-,-	
CABFRO	AA64-00026P	CABINET-FRONT;-,CS-29A6HP S53A,S704P+B70	
CLAMPW	AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	
CABBAC	AA63-60001X	SPACER-FELT;FELT,T0.5,BLK,330X15,-,-	
CB+CF	6003-001025	SCREW-TAPTITE;RH,+,B,M4,L20,ZPC(BLK),SWR	
CB+TER	6003-001025	SCREW-TAPTITE;RH,+,B,M4,L20,ZPC(BLK),SWR	
CORDC	AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	
COVER	AA63-00005B	COVER-TOP,SPEAKER;-,72A6,-,HIPS,HB,BLK,-	
CRT+CF	AA60-10050V	SCREW-ASSY;WC,HH,+,M6,L30,SWRCH18A,ZPC(S	
CTS+CB	6003-001025	SCREW-TAPTITE;RH,+,B,M4,L20,ZPC(BLK),SWR	
DCOIL	AA65-30017A	CLAMP-D,COIL;NYLON-66,V0,NTR,DADH300,25	
DCOIL	AA65-30113A	CLAMP-D,COIL;NYLON 66,V2,BLK,TVI 25~29,-	
DOMESP	AA60-10050A	SCREW-ASSY;WP,RH,+,M4,L25,SWRCH18A,-,ZPC	
HOLDA	AA91-00098A	ASSY-HOLDER,SPK;-,-,4OHM/20W,-,29A6 T/W,	
INDILE	AA64-40517B	INDICATOR-LED;-,-,-,ACRYL,-,CLEAR,-	
INLAYA	AA64-60445F	INLAY-AV;72A6,S53A EL,PS SHEET,-,BLK,-,	
INLAYP	AA64-60446C	INLAY—PC,JACK;29A6,L/GRAY,PS SHEET,T0.5	
KCON+C	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
KNOCO	AA64-00028A	KNOB-CONTROL;-,29A6,SV808P+W971,ABS,HB,G	
KNOPO	AA64-10792C	KNOB-POWER;-,29A6,M/S SV704P+W971,ABS,HB	
LED+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
PCB+CF	6003-001024	SCREW-TAPTITE;RWH,+,B,M4,L12,ZPC(YEL),SW	
PINSTA	AA60-40006A	PIN-STAPLE;-,-,H18,33X17.8X2.4,-,AUTO	
SPACE	AA63-60004G	SPACER-GUM,CRT;NTR RUBBER,T3.0,GRY,-,-,-	
SPKR+C	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
SPRING	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	
TER+RJ	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
WINRE	AA64-40516B	WINDOW-REMOCON;-,29A6,-,PC,V0,VIOLET,-	

ASSY-HOLDER,SPK

*	AA91-00149A	ASSY-HOLDER,SPK;-,PP,8OHM/15W,BLK,IMPACT	

ASSY-CRT

*	AA94-01251A	ASSY-CRT;A68QCP891X004(C),+380MG,29INCH	
⚠ CRT	AA03-00076A	CRT-COLOR;-,A68QCP891X004(C),+380MG,29IN	

ASSY-PCB,CONTROL

*	AA95-00187A	ASSY-PCB,CONTROL;-,SCT53A,PAL,-	
CNC01	AA39-20052C	LEAD CONNECTOR-ASSY;-,YBNH025-04,YSH025-	
CNC02	AA39-20069A	LEAD CONNECTOR-ASSY;-,YBNH025-05,67096-0	
CNP0W2	AA39-20176C	LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,	
CNTU	AA39-20010C	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,600	
CP01	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
D801M	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
DP02	AA96-30003A	ASSY-LED,GUIDE;-,AA61-50106A,DL-G8RGA,RE	
F802M	3601-001007	FUSE-FERRULE;250V,6.3A,TL,GLASS,5.2x20mm	
F802M1	3602-000114	FUSE-HOLDER;-,-,30mohm	
F802M2	3602-000114	FUSE-HOLDER;-,-,30mohm	
HC01	AA59-60001U	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	
PCB	AA41-00036A	PCB-CONTROL;S53A,1L,FR-1,245X245X1.6T,4A	
R801M	2002-001010	R-COMPOSITION;1.8Mohm,5%,1/2W,AA,TP,3.7x	
RC01	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC02	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Loc. No.	Code No.	Description ; Specification	Remark
RC03	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC04	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC05	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP01	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
RP02	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
RP03	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
RP04	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
SG801	AA47-20001A	SPARK-GAP;-,ICE60,6.1MM,KS,EU,BK	
SWC01	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWC02	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWC03	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWC04	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWC05	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWC06	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
SWP02	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	

ASSY-PCB, A/V SIDE

	* AA95-00276A	ASSY-PCB, A/V SIDE;-,CS29A6HP2X/UMG,S53A	
C708	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C709	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C713	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C714	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
CN701B	AA39-20071D	LEAD CONNECTOR-ASSY;-,YBNH025-12,67096-0	
JA701	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
JA702	3722-001163	JACK-VHS;11P,12mm,AU,BLK,N	
JA703	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
L701	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L702	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L703	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L704	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
PCB	AA41-00037A	PCB-POWER S/W;S53A,1L,FR-1,245X245X1.6T,	

ASSY-PCB, F-BOX

	* AA95-00277A	ASSY-PCB, F-BOX;-,CS29A6HP2X/UMG,S53A,-,	
B1	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
B2	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
C1	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C10	2401-000493	C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm	
C100	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C101	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C102	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C103	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C104	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C105	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C106	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C109	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C11	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C110	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C111	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C112	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C113	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C119	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C12	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C120	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C121	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C122	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C123	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C124	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C125	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C126	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C13	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C14	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C15	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C16	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C18	2203-000661	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,2012	
C19	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C2	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C20	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C21	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C22	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C23	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C24	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C25	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C26	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C27	2401-000493	C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm	
C28	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C29	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C3	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C30	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
C31	2203-001172	C-CERAMIC,CHIP;0.006nF,0.25pF,50V,NP0,TP	
C32	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C34	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C35	2203-000661	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,2012	
C36	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C4	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C40	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C41	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C42	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C43	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C44	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C47	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C48	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C49	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C5	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C50	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C51	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C52	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C53	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C54	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C56	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C57	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C59	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C6	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C60	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C61	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C62	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C63	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C64	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C65	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C66	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C67	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C68	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C69	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C7	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C70	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C71	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C72	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C73	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C74	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C75	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C76	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C77	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C78	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C79	2203-000429	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,201	
C8	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C80	2203-000429	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,201	
C81	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C82	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C83	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C84	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C85	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C86	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
C87	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
C88	2203-000555	C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,2012	
C89	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C9	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C90	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C91	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C92	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C93	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C94	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C95	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C96	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C97	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C98	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C99	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
CN203A	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CN205A	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54MM,AN	
CN206A	3711-002708	CONNECTOR-HEADER;NOWALL,10P,1R,2.5mm,ANG	
D1	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
D2	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D3	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
D4	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D5	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200m	
D6	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D7	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
⚠ IC1	1205-001172	IC-INTERFACE;CIP3250A,PLCC,68P,24.2MIL,P	
⚠ IC2	1204-001362	IC-VIDEO PROCESS;VPC3215C,PLCC,43P,-,PLA	
⚠ IC3	1204-001189	IC-HOR./VER.PROCESSO;SDA9362,QFP,44P,-,P	
⚠ IC4	1204-001315	IC-NOISE CANCELLER;SDA9254,QFP,64P,-,C-M	
⚠ IC5	1205-001308	IC-CONTROLLER;SDA9220-5,PLCC,44P,-,PLAST	
⚠ IC6	1002-001045	IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,	
⚠ IC7	1203-000346	IC-VOL. SUPERVISORY;7705,SOP,8P,150MIL,P	
L1	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L10	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L11	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L12	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L13	2701-000106	INDUCTOR-AXIAL;1.5uH,10%,3x7mm	
L15	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L16	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L17	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L18	2701-000141	INDUCTOR-AXIAL;1mH,5%,3x7mm	
L19	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L2	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L23	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L25	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L26	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L27	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L3	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L4	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L5	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L6	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L7	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
L8	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L9	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
NR02	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
NR3	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
PCB	AA41-00045B	PCB-FEATURE BOX;S53A,2L,FR-4,180X245X1.6	
Q1	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q4	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
R111	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R112	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R113	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R114	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R115	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R116	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R119	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R120	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R121	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R122	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R123	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R124	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R13	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R131	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R132	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R14	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R15	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R16	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R17	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R18	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R19	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R20	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R21	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R22	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R23	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R24	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R25	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R26	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R43	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R45	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R46	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R47	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R48	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R49	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R50	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R51	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R52	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R53	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R55	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R60	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R61	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R62	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R63	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R65	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R66	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R67	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R68	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R69	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R70	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R71	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R72	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R73	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R74	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R75	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R76	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R77	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R78	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R79	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R80	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
R81	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R82	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R83	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R84	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R85	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R86	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R87	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R88	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R89	2007-001133	R-CHIP;68OHM,5%,1/10W,DA,TP,2012	
R90	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R91	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R92	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R93	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R94	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
X1	2801-003432	CRYSTAL-UNIT;20.25MHz,30ppm,28-AAA,13pF,	
X2	2801-003433	CRYSTAL-UNIT;12MHz,30ppm,28-AAA,30pF,30o	
X3	2801-003572	CRYSTAL-UNIT;6.75MHz,30ppm,28-AAA,20pF,1	

ASSY-PCB,CRT

* AA95-00322AASSY-PCB,CRT;-,S53A,29,ASIA,-

C501	2201-002031	C-CERAMIC,DISC;0.005nF,0.25pF,50V,NP0,TP
C502	2201-000436	C-CERAMIC,DISC;0.002nF,0.25pF,50V,SL,TP,
C504	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm
C505	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm
C506	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm
C507	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm
C509	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm
C510	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m
C511	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m
C512	2305-000308	C-FILM,MPEF;22nF,5%,250V,-,14.5x6.0x9.5m
C513	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.
C514	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.
C515	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.
C520	2401-000689	C-AL;2200uF,20%,16V,GP,TP,13x25,5
C522	2201-000969	C-CERAMIC,DISC;10nF,+80-20%,3.15kV,Y5V,T
C531	2401-000636	C-AL;2.2uF,20%,315V,GP,TP,8x12mm,5m
C532	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m
C533	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
C534	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5
C535	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5
C540	2201-000930	C-CERAMIC,DISC;0.22nF,10%,500V,Y5P,TP,5.
CF01	2201-000234	C-CERAMIC,DISC;0.15nF,5%,50V,NP0,TP,9x3,
CF02	2201-000376	C-CERAMIC,DISC;0.22nF,5%,50V,SL,TP,6.3x3
CF03	2201-000653	C-CERAMIC,DISC;0.068nF,5%,50V,SL,TP,5x3,
CF04	2201-000516	C-CERAMIC,DISC;4.7nF,+100-0%,500V,Y5U,TP
CF05	2301-000261	C-FILM,PEF;4.7nF,5%,100V,TP,10.5x12.5x6.

Loc. No.	Code No.	Description ; Specification	Remark
CF06	2305-000704	C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5	
CF08	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
CF71	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
CF73	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
CF74	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CF76	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CF77	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
CF78	2401-001157	C-AL;33uF,20%,160V,GP,TP,12.5x20,5	
CF79	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CF80	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
CF81	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CN501	AA39-20032E	LEAD CONNECTOR-ASSY;-,67096-012,S,12P,60	
CN501B	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN502	AA39-20025E	LEAD CONNECTOR-ASSY;-,67096-010,S,10P,40	
CN502B	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
D501	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D502	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D504	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D509	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D510	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D511	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D512	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D513	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
D514	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
DF01	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DF02	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DF05	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DF06	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DF07	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
DF08	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
DZ501	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ502	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ503	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ504	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
DZ505	0403-000664	DIODE-ZENER;MTZ3.6A,3.6V,3.455-3.695V,50	
DZ506	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-12.75V,500m	
FN1	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
FV1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
GT503+	AA39-20010B	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,500	
GT505+	AA39-20010B	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,500	
⚠ IC501	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
⚠ IC502	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
⚠ IC503	1201-001131	IC-VIDEO AMP;6111,SIP,9P,-,SINGLE,-,PLAS	H/SINK
⚠ IC504	1201-000010	IC-OP AMP;2030,PENTAWATT,5P,-,SINGLE,-,C	H/SINK
⚠ IC505	AA13-20004U	IC-HYBRID;-,SPK102T,SIP,6P,SPOT KILLER,T	
L502	2701-000178	INDUCTOR-AXIAL;33uH,10%,3x7mm	
LF02	2702-000160	INDUCTOR-RADIAL;4.7uH,10%,6x6.4mm	
LF03	2701-000112	INDUCTOR-AXIAL;100uH,10%,3x7mm	
LF04	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
PCB	AA41-10776B	PCB-CRT;S53A,1L,FR-1,330X245X1.6T,4A,M	
QF02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF04	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QF06	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QF07	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
QF08	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠ QF09	0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,60	H/SINK
⚠ QF10	0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,60	H/SINK
R501	2001-000252	R-CARBON;1.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R502	2001-000252	R-CARBON;1.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R503	2001-000252	R-CARBON;1.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R504	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R505	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R506	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R507	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
R510	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R511	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R512	2001-001194	R-CARBON(S);82KOHM,5%,1/2W,AA,TP,2.4X6.4	
R513	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
R514	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
R515	2002-001017	R-COMPOSITION;1Kohm,10%,1/2W,AA,TP,3.7x9	
R518	2001-001095	R-CARBON(S);2.2MOHM,5%,1/2W,AA,TP,2.4X6.	
R525	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
R530	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R531	2001-001086	R-CARBON(S);18KOHM,5%,1/2W,AA,TP,2.4X6.4	
R556	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R557	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R558	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R560	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R561	2001-000958	R-CARBON;750OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R562	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R563	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R564	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R565	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R566	2001-001040	R-CARBON(S);0.68OHM,5%,1/2W,AA,TP,2.4X6.	
RF01	2001-000347	R-CARBON;13KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF02	2001-000006	R-CARBON;2.4KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF03	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF05	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF06	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF07	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF08	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF09	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF10	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF11	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF12	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM	
RF13	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF20	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF21	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF22	2004-001989	R-METAL;620ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RF23	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,1.8X3.2MM	
RF24	2003-001023	R-METAL OXIDE(S);120ohm,5%,2W,AF,TP,3.9x	
RF25	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF26	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF27	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF28	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF29	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4	
RF30	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF32	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RF33	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RF34	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RF35	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RF36	2003-002009	R-METAL OXIDE(S);390ohm,5%,2W,AF,TP,3.9x	
RF37	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RF38	2001-000989	R-CARBON;820KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RF39	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ VA999	3704-001032	SOCKET-CRT;8P,29PI,35.5PI,AU30U	

ASSY-PCB,POWER

* AA95-00355AASSY-PCB,POWER;29A6,S53A,29,FREE-VOLT,-,

C301	2301-000160	C-FILM,PEF;12nF,5%,50V,TP,11.0x6.0x9.0mm
C302	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5
C304	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,5
C305	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5
C306	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15
C310	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5
C401	2301-000247	C-FILM,PEF;33nF,5%,50V,TP,8.1x4.5x13mm,5
C402	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5
C407	2303-000186	C-FILM,PPF;22nF,5%,400V,BK,19.5x13.5x8,1
C408	2303-001015	C-FILM,PPF;5.5nF,5%,1.6kV,TP,29x9.5x17,2
C409	2301-001185	C-FILM,MPPF;620nF,5%,400V,TP,14.5x26x24,
C410	2301-000188	C-FILM,PEF;1nF,5%,100V,TP,10.5x12.5x6.5,
C411	2301-001143	C-FILM,PPF;56nF,5%,400V,TP,20x10x17,7.5
C412	2306-000235	C-FILM,MPPF;560nF,5%,400V,TP,26*22.5*14,
C413	2306-000324	C-FILM,MPPF;3.3nf,5%,1.6KV,TP,28.5x13.5x
C414	2401-003114	C-AL;4.7uF,20%,250V,WT,TP,10x16,5
C416	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m
C417	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m
C418	2201-000132	C-CERAMIC,DISC;0.1nF,10%,500V,Y5P,TP,6.5
C419	2306-000121	C-FILM,MPPF;100nF,5%,400V,BK,19x8x16,15
C420	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.
C421	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.
C422	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.
C423	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5
C424	2401-001130	C-AL;330uF,20%,35V,GP,TP,10x16,5
C425	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm
C426	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V
C427	2306-000326	C-FILM,MPPF;4.7nF,5%,1.6KV,TP,28.5x16x9m
C455	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5

Loc. No.	Code No.	Description ; Specification	Remark
C456	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C457	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
C458	2301-000175	C-FILM,PEF;15nF,5%,50V,TP,7.1x3.5x13mm,5	
C459	2401-001655	C-AL;680uF,20%,25V,GP,TP,10x20,5	
C460	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C461	2201-000558	C-CERAMIC,DISC;0.47nF,10%,50V,Y5P,TP,5x3	
C801	2306-000318	C-FILM,MPPF;220nF,20%,250V,TP,-,22.5mm	
C803	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
C804	2401-002289	C-AL;470uF,20%,35V,WT,TP,10x20,5	
C805	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
C806	2306-000324	C-FILM,MPPF;3.3nf,5%,1.6KV,TP,28.5x13.5x	
C807	2306-000112	C-FILM,MPPF;100nF,20%,250V,BK,-,15mm	
C809	2401-002292	C-AL;47uF,20%,25V,WT,TP,8X11,5	
C810	2401-000611	C-AL;1uF,20%,50V,WT,TP,5x11,5	
C811	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250V,Y5U,TP	
C812	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250V,Y5U,TP,9x4	
C813	2401-003066	C-AL;10uF,20%,450V,GP,TP,13x20mm,5m	
C814	2401-003465	C-AL;680UF,20%,450V,GP,BK,35X60MM,2	
C816	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C817	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
C818	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
C819	2401-002287	C-AL;470uF,20%,200V,WT,BK,25x40,10	
C820	2401-003024	C-AL;220uF,20%,200V,WT,TP,22x35,10	
C821	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
C822	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35.5,7.5	
C823	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
C824	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C825	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C826	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C827	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C828	2401-000722	C-AL;2200uF,20%,25V,WT,TP,16x25,7.5	
C829	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C830	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C833	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C835	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
C836	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
C838	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
C839	2201-000551	C-CERAMIC,DISC;0.47nF,10%,1kV,Y5P,TP,6.3	
C840	2401-001513	C-AL;47uF,20%,16V,WT,TP,5x11,5	
C842	2401-002211	C-AL;1000uF,20%,35V,LZ,TP,13x25mm,5	
C843	2401-002289	C-AL;470uF,20%,35V,WT,TP,10x20,5	
C844	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C845	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
C846	2201-000539	C-CERAMIC,DISC;4.7nF,20%,250V,Y5V,BK,16x	
CH01	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
CH02	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CH03	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CH04	2301-001041	C-FILM,PPF;15nF,5%,1.6KV,TP,29x14x21.5,2	
CH05	2301-001065	C-FILM,MPPF;47nF,5%,630V,TP,19x15.5x7,7.	
CH06	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
CH07	2301-001065	C-FILM,MPPF;47nF,5%,630V,TP,19x15.5x7,7.	
CH08	2301-001065	C-FILM,MPPF;47nF,5%,630V,TP,19x15.5x7,7.	
CH09	2301-001065	C-FILM,MPPF;47nF,5%,630V,TP,19x15.5x7,7.	
CH10	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CH11	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CLAMP-	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	
CN801	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CN803	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
CN804	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D401	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D402	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D403	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D404	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D405	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
⚠ D407	0402-001296	DIODE-RECTIFIER;FMP-3FU,1.5KV,5A,TO-3PF,	H/SINK
D410	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC	
D411	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D414	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
D415	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D801	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
D802	0401-000005	DIODE-SWITCHING;1N4148,100V,200MA,DO-35,	
D803	0406-001007	DIODE-TVS;P6KE180A,171/180/189V,600W,CAS	
D804	0402-000243	DIODE-RECTIFIER;RC2-V1,2000V,0.2A,DO-201	
D805	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
⚠ D806	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	H/SINK
D807	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D808	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D810	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D811	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
D812	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D813	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D814A	1405-001036	VARISTOR;430V,2500A,14x8.5mm,TP	
D814B	1405-001036	VARISTOR;430V,2500A,14x8.5mm,TP	
D816	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D817	0402-000231	DIODE-RECTIFIER;FMG-G26S,600V,4A,TO-220F	H/SINK
D818	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
D819	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D821	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D823	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
D824	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D825	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D826	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D828	0402-000532	DIODE-RECTIFIER;ERC13-08,800V,1.2A,DO-20	
D829	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D830	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D832	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
DH01	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DH02	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DH03	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DH04	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DZ301	0403-000545	DIODE-ZENER;MTZ24B,24V,22.61-23.77V,500m	
DZ302	0403-000545	DIODE-ZENER;MTZ24B,24V,22.61-23.77V,500m	
DZ303	0403-000494	DIODE-ZENER;MTZ39,39V,35.36-37.2V,500mW,	
DZ304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
DZ305	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ306	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500m	
DZ401	0403-000300	DIODE-ZENER;MTZ8.2B,8.2V,7.78-8.19V,500m	
DZ801	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
DZ802	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ804	0403-000734	DIODE-ZENER;TZP15B,15V,14.7-16.5V,1W,DO-	
DZ822	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
F805	3601-000281	FUSE-FERRULE;250V,4A,TL,GLASS,5.2x20mm	
F805A	3602-000114	FUSE-HOLDER;-,-,30mohm	
F805B	3602-000114	FUSE-HOLDER;-,-,30mohm	
F806	3601-001064	FUSE-FERRULE;125V,4A,FA,GLASS,2.4x7.5mm	
F807	3601-000120	FUSE-FERRULE;125V,2.5A,FA,GLASS,2.4x7.5m	
⚠ IC301	1204-000517	IC-VERTIVAL DEF.;LA7845,SIP,7P,-,PLASTIC	H/SINK
⚠ IC403	1204-001178	IC-VIDEO SYSTEM;TDA8145,DIP,8P,300MIL,PL	
⚠ IC801	AA13-20002K	IC-HYBRID;-,STR-S6709 LF953,SIP,9P,SMPS	H/SINK
⚠ IC803	1203-000640	IC-PWM CONTROLLER;210,DIP,8P,245MIL,PLAS	
⚠ IC805	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
⚠ IC806	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
⚠ ICH01	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
L302	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L303	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L401	AA27-10002V	COIL-CHOKE;-,6.3MH,K,-,500MA,-,NY632K(50	
L402	2701-001034	INDUCTOR-AXIAL;22uH,10%,5x14mm	
L404	AA27-30003Q	COIL-LINEARLITY;-,8.8uH,YL81 15x18,USTC0	
L405	AA27-00031A	COIL-HORIZ.WIDTH;-,140UH,AR 8X20,0.8MM,B	
L407	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L408	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L409	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L410	AA27-10004G	COIL-CHOKE;-,1mH,10%,-,1.5A,BK,-,DR10x12	
L411	AA27-10004F	COIL-CHOKE;-,56uH,K,-,2.5A,BK,-,DR12x15,	
L801	AA29-30002M	FILTER-LINE NOISE;-,1mHMIN,5A,AC90~260V,	
L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L805	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L806	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L810	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L812	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L813	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L816	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L818	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L820	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L821	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
PCB	AA41-10990B	PCB-POWER;S53A,1L,CEM-1,330X197X1.6T,1A,	
⚠ Q400	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠ Q402	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
⚠ Q404	0505-001116	FET-SILICON;BUZ73A,N,200V,22A,0.6ohm,40W	
⚠ Q405	0502-001062	TR-POWER;2SC5331,NPN,180W,TO-3P,ST,10-3	H/SINK
⚠ Q406	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
⚠ Q407	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	

Loc. No.	Code No.	Description ; Specification	Remark
⚠ Q801	0503-000153	TR-DARLINGTON;TIP102,NPN,2W,TO-220,TP,10	
⚠ Q803	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
⚠ Q804	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
⚠ Q805	AA13-20004H	IC-HYBRID;-,SE135N-LF12,TO220-LF12,3,ERR	
QH01	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QH02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QH03	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QH04	0502-000442	TR-POWER;2SC4636RB,NPN,2W,TO-220,ST,10-	
R301	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R302	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R305	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R306	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
R310	2003-000744	R-METAL OXIDE(S);56ohm,5%,2W,AA,TP,4x12m	
R311	2003-000744	R-METAL OXIDE(S);56ohm,5%,2W,AA,TP,4x12m	
R312	2004-004366	R-METAL(S);1.3Kohm,1%,1/2W,AA,TP,2.5x6.5	
R313	2001-001057	R-CARBON(S);1.8OHM,5%,1/2W,AA,TP,2.4X6.4	
R314	2004-004366	R-METAL(S);1.3Kohm,1%,1/2W,AA,TP,2.5x6.5	
R315	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R325	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
R401	2006-000323	R-CEMENT;56ohm,5%,5W,CB,TP,9.5x13.5x26.	
R402	2001-001168	R-CARBON(S);6.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R403	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R404	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R405	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R406	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R407	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R408	2006-000317	R-CEMENT;33ohm,5%,5W,CH,BK,9.5x27x9.5mm	
R409	2003-000538	R-METAL OXIDE(S);1Kohm,5%,2W,AA,TP,4x12m	
R410	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R411	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R412	2004-004048	R-METAL(S);3.9Kohm,1%,1/2W,AA,TP,2.5x6.5	
R413	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
R414	2001-001142	R-CARBON(S);3KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R415	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R416	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R417	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R418	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R419	2008-000259	R-FUSIBLE(S);1.8ohm,5%,2W,AA,TP,3.9x10mm	
R420	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
R421	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
R422	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
R423	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
R424	2008-001091	R-FUSIBLE(S);0.47OHM,10%,1/2W,AC,BK,2.5X	
R425	2008-001091	R-FUSIBLE(S);0.47OHM,10%,1/2W,AC,BK,2.5X	
R426	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
R427	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R429	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R430	2004-002016	R-METAL(S);15Kohm,1%,1/2W,AA,TP,2.5x6.5m	
R431	2004-002016	R-METAL(S);15Kohm,1%,1/2W,AA,TP,2.5x6.5m	
R434	2004-004029	R-METAL(S);10Kohm,1%,1/2W,AA,TP,2.5x6.5m	
R435	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R436	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R457	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
R801	1404-000178	THERMISTOR-PTC;7ohm,20%,-,290V,25A,-,BK	
R803	1404-001045	THERMISTOR-NTC;4.7OHM,15%,2900K,35.0MW,T	
R804	2001-001116	R-CARBON(S);27OHM,5%,1/2W,AA,TP,2.4X6.4M	
R805	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R806	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R807	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R808	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R809	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R810	2009-000017	R-METAL PLATE;0.1ohm,10%,5W,CL,TP,5x14x1	
R811	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R812	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R813	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
R814	2006-001008	R-CEMENT;8.2ohm,5%,5W,CJ,TP,10.5x14x27m	
R815	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R816	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R817	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12	
R820	2003-001093	R-METAL OXIDE(S);12Kohm,5%,2W,AF,TP,3.9x	
R821	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R822	2008-001002	R-FUSIBLE(S);0.18ohm,10%,2W,AA,TP,3.9x10	
R830	2001-001087	R-CARBON(S);18OHM,5%,1/2W,AA,TP,2.4X6.4M	
R831	2001-001165	R-CARBON(S);56OHM,5%,1/2W,AA,TP,2.4X6.4M	
R832	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R833	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,TP,2.4X6.4	
R834	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
R840	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R841	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R842	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.	
R844	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R845	2001-001075	R-CARBON(S);13KOHM,5%,1/2W,AA,TP,2.4X6.4	
R846	2002-001012	R-COMPOSITION;8.2Mohm,5%,1/2W,AA,TP,3.7x	
R848	2008-001058	R-FUSIBLE;0.18ohm,5%,1W,AF,TP,3.9x10mm	
R851	2008-001080	R-FUSIBLE;27OHM,5%,2W,AF,TP,3.9X10MM	
R852	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
RH01	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH02	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH03	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH04	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH05	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH06	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH07	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH08	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH10	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH11	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH12	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH14	2001-001143	R-CARBON(S);4.3KOHM,5%,1/2W,AA,TP,2.4X6.	
RH15	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,TP,2.4X6.4	
RH16	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
RH17	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
RH18	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
RH19	2003-000654	R-METAL OXIDE(S);33Kohm,5%,2W,AA,TP,4.3x	
RH22	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH23	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
RH24	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH25	2001-001165	R-CARBON(S);56OHM,5%,1/2W,AA,TP,2.4X6.4M	
RH26	2003-000654	R-METAL OXIDE(S);33Kohm,5%,2W,AA,TP,4.3x	
RL801	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
RL802	3501-001053	RELAY-POWER;5VDC,530MW,10A,1FORMA,15MS,5	
⚠ T402	AA26-90002C	TRANS-DUMMY;-,3.5mH,EER2834,130/1200,ST	
⚠ T403	AA26-50001S	TRANS-HORIZ.DRIVE;-,6.0mH,44uH,1.5uH,EI2	
⚠ T444	AA26-30005P	TRANS-FLYBACK;-,FCZ-29A010(S),29,135V	
⚠ T801	AA26-00028A	TRANS-SWITCHING;-,AC90~260V,DC135V/25V/7	
⚠ T802	AA26-20004M	TRANS-SWITCHING;-,90~260V,KS,EE2118,7.92	

ASSY-SOUND

	* AA95-40011N	ASSY-SOUND;-,29,SCT53B,-,-,-	
C601	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C602	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C603	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C604	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C605	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C606	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C610	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C611	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C612	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C613	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C614	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C615	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C616	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C617	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C618	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C619	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C622	2203-000701	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,NP0,TP	
C623	2203-000701	C-CERAMIC,CHIP;0.002nF,0.25pF,50V,NP0,TP	
C624	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C625	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C626	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C627	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C628	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C629	2203-001077	C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,201	
C630	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C631	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C632	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C633	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C634	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C635	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C636	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
C637	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	

Loc. No.	Code No.	Description ; Specification	Remark
C638	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C639	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C640	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C641	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C642	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C643	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C644	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C645	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C646	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C650	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C653	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C654	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C655	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C656	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C657	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C658	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C661	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C662	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C663	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C664	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C665	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C666	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C667	2401-000493	C-AL;10uF,20%,50V,LZ,TP,5x11mm,5mm	
C684	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C694	2401-002212	C-AL;10uF,20%,25V,WT,TP,5x11,5.0mm	
C695	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
C696	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C697	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
CN601A	3711-002710	CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG	
CN602A	3711-002710	CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG	
D601	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
D602	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,SOD-8	
DZ601	0403-000546	DIODE-ZENER;MTZ3.6B,3.6V,3.6-3.845V,500m	
⚠ IC601	1204-001163	IC-SOUND PROCESSOR;MSP3410D,PLCC,68P,24.	
⚠ IC603	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLAS	
L601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
L602	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,3x7mm	
L603	2701-000112	INDUCTOR-AXIAL;100uH,10%,3x7mm	
PCB	AA41-10992A	PCB-SOUND;SCT53B,2L,FR-4,245x180x1.6T,A8	
R603	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R604	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R605	2007-000881	R-CHIP;4.7OHM,5%,1/10W,DA,TP,2012	
R606	2007-000881	R-CHIP;4.7OHM,5%,1/10W,DA,TP,2012	
R607	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
R608	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R609	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R610	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R611	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R612	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R613	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R614	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R617	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R618	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R619	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R620	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R621	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R622	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R623	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R632	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R633	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R634	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R635	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R636	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R660	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R661	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R666	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R671	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
X601	2801-000186	CRYSTAL-UNIT;18.432MHZ,25PPM,28-AAM,8PF,	

ASSY-PCB,PIP

*	AA95-90033D	ASSY-PCB,PIP;-,CS767AHTR,SCT53A,PAL,-,-	
CNP01	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CNP03	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CP101	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP102	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
CP103	2203-000429	C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,201	
CP104	2203-000218	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,2012	
CP105	2203-000717	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,3216	
CP106	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP107	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP108	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP109	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP110	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP111	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
CP112	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP114	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP115	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP116	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
CP117	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP118	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP119	2201-000692	C-CERAMIC,DISC;0.008nF,0.5pF,50V,UJ,TP,4	
CP120	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP121	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP123	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
CP124	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP125	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
CP126	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP127	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP129	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
CP130	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
CP131	2201-000692	C-CERAMIC,DISC;0.008nF,0.5pF,50V,UJ,TP,4	
CP132	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
CP133	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP134	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP135	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP136	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
CP137	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
CP142	2401-000199	C-AL;1000uF,20%,6.3V,GP,TP,10x12.5,5	
CP143	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP144	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP145	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP201	2203-000325	C-CERAMIC,CHIP;12nF,10%,50V,X7R,TP,3216,	
CP203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP204	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP205	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP206	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP207	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP208	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP209	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP210	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP211	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP213	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP214	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP215	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP216	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP217	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP218	2203-002085	C-CERAMIC,CHIP;56nF,10%,50V,X7R,TP,2012,	
CP219	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CP220	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP221	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP301	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP302	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP303	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP304	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP305	2203-000389	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,201	
CP306	2203-000389	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,201	
DP101	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP103	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DP105	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP201	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
⚠ ICP101	1204-000530	IC-PAL/NTSC DECODER;TDA9160A,DIP,32P,400	
⚠ ICP102	1204-000560	IC-DEMODULATOR;TDA9815,DIP,32P,400MIL,PL	
⚠ ICP103	AA13-20004A	IC-HYBRID;-,PAP102T,SIP,6P,PRE-AMP,TP	
⚠ ICP105	1204-000635	IC-PICTURE PROCESS;SDA9189X,SOP,32P,350M	
⚠ ICP201	1002-000206	IC-A/D CONVERTER;SDA9187-2X,6BIT,SOP,28P	
LP102	2701-000219	INDUCTOR-AXIAL;820nH,10%,2.5x3.4mm	
LP103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP104	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP105	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP201	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	

Loc. No.	Code No.	Description ; Specification	Remark
LP301	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
PCB	AA41-11003A	PCB-PIP;SCT53A,2L,FR-4,330x245x1.6T,A6	
QP104	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP105	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP106	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP202	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP203	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP204	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP205	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP206	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP302	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP303	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP304	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP305	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
RC129	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP101	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
RP104	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP105	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
RP106	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP107	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP108	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP109	2007-000830	R-CHIP;39KOHM,5%,1/10W,DA,TP,2012	
RP110	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP111	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP112	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP113	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP114	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP115	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP116	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP118	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
RP119	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RP122	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP123	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP124	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP125	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP126	2103-000665	VR-SEMI;20Kohm,25%,1/5W,SIDE	
RP127	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP128	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP130	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP131	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP135	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP136	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP137	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP138	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP140	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP201	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP202	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP203	2007-000703	R-CHIP;3.6KOHM,5%,1/10W,DA,TP,2012	
RP204	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
RP205	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RP206	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP207	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
RP208	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP209	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP210	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
RP211	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RP212	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP213	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP215	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP216	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP217	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP301	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP303	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP304	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP307	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RP308	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP309	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP310	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP311	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP312	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP313	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP314	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP315	2007-001155	R-CHIP;750OHM,5%,1/10W,DA,TP,2012	
RP316	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RP317	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	

Loc. No.	Code No.	Description ; Specification	Remark
SHIECA	AA63-40013A	SHIELD-CASE;-,SPTE,T0.5,SCT51A,WZ74,-	
TP101	AA26-10004E	TRANS-IF;-,7MG,VIF,-,7mm,8pF,116.7MHz,S	
XP101	2801-000235	CRYSTAL-UNIT;3.579545MHz,40ppm,28-AAM,S,	
XP102	2801-000274	CRYSTAL-UNIT;4.433619MHZ,30PPM,28-AAM,20	
XP301	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x	
ZP102	2904-000253	FILTER-SAW AV;33.9MHz,DIP10P,ST,17.1dB,P	

ASSY-POWER,CORD

*	AA96-20109C	ASSY-POWER,CORD;-,CP2/NO(4.0),H/C300,KKP	
HOLDP	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	
POWCO	AA39-10006X	POWER-CORD;-,KKP419C,KLCE-2F,2.286MT,3P,	

ASSY-ACCESSORY

*	AA94-01487A	ASSY-ACCESSORY;CS29A6HP2X/ANB,S53A,MOROC	
BATTM	4301-000121	BATTERY-MN;1.5V,-,AAA,10.5x44.5m,HOLDER	
CABLER	AA39-40001B	CABLE-RCA;-,RCA,1500mm,0.12/10,RED/WHT/Y	
MANU	AA68-00386A	MANUAL-USERS;S53A,W/P100G,-,ARB.,-,-,B5,	
MANU	AA68-00310B	MANUAL-USERS;S53A,W/P100(G),-,ENGLISH,-,	

ASSY-TERMINAL,BOARD

*	AA91-80053N	ASSY-TERMINAL,BOARD;-,HIPS,V0,BLK,S53A S	
TEMB	AA63-40275A	TERMINAL-BOARD,ANT;-,HIPS,BLK,CT3456V,V0	
INLAY	AA64-60416L	INLAY-BACK;72A6,S53A SCRAT(2),PS SHEET,-	

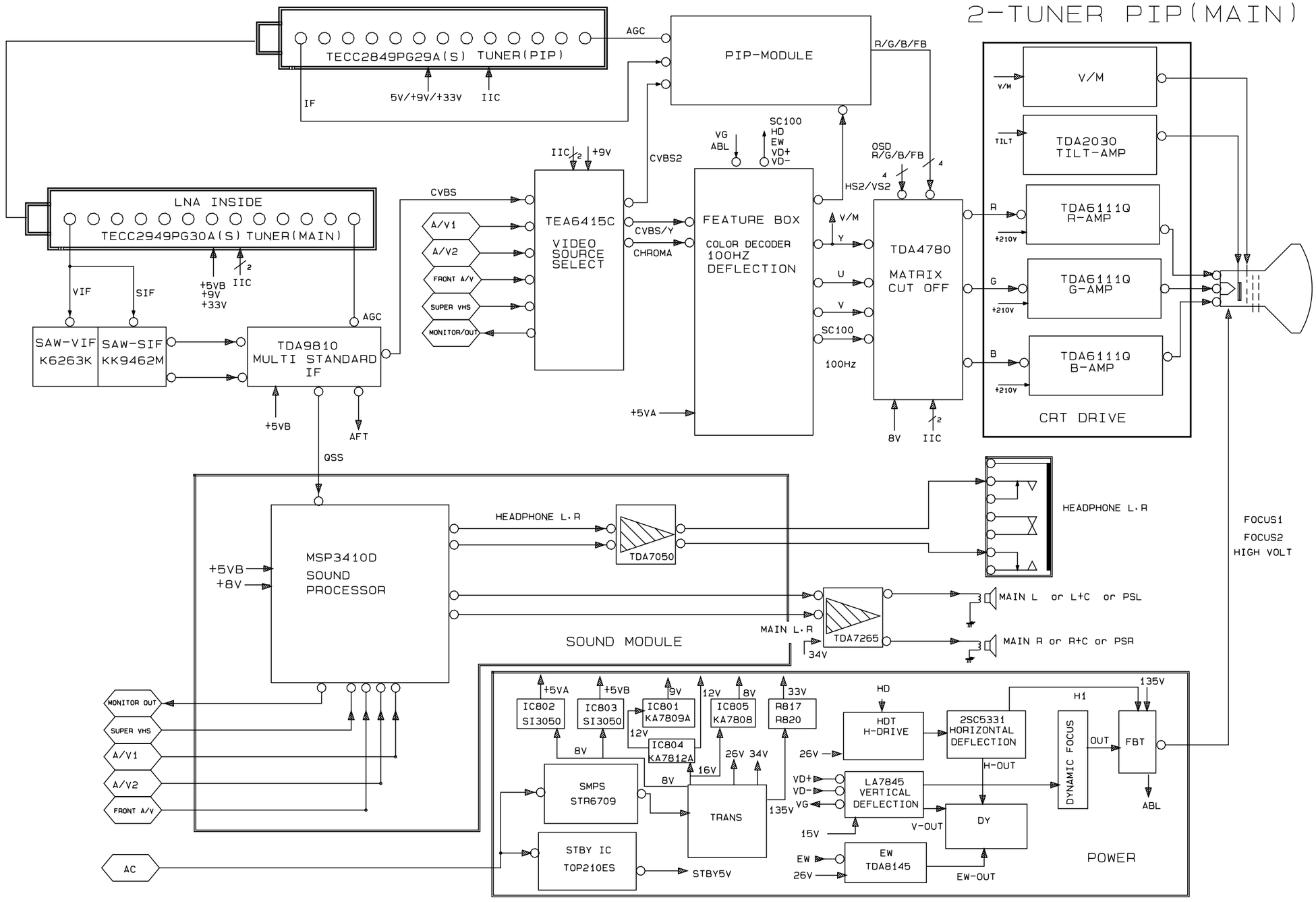
REMOCON

*	AA59-00023B	REMOCON;-,TM57,SS,49,EX,-,SSIM-178EC,-	

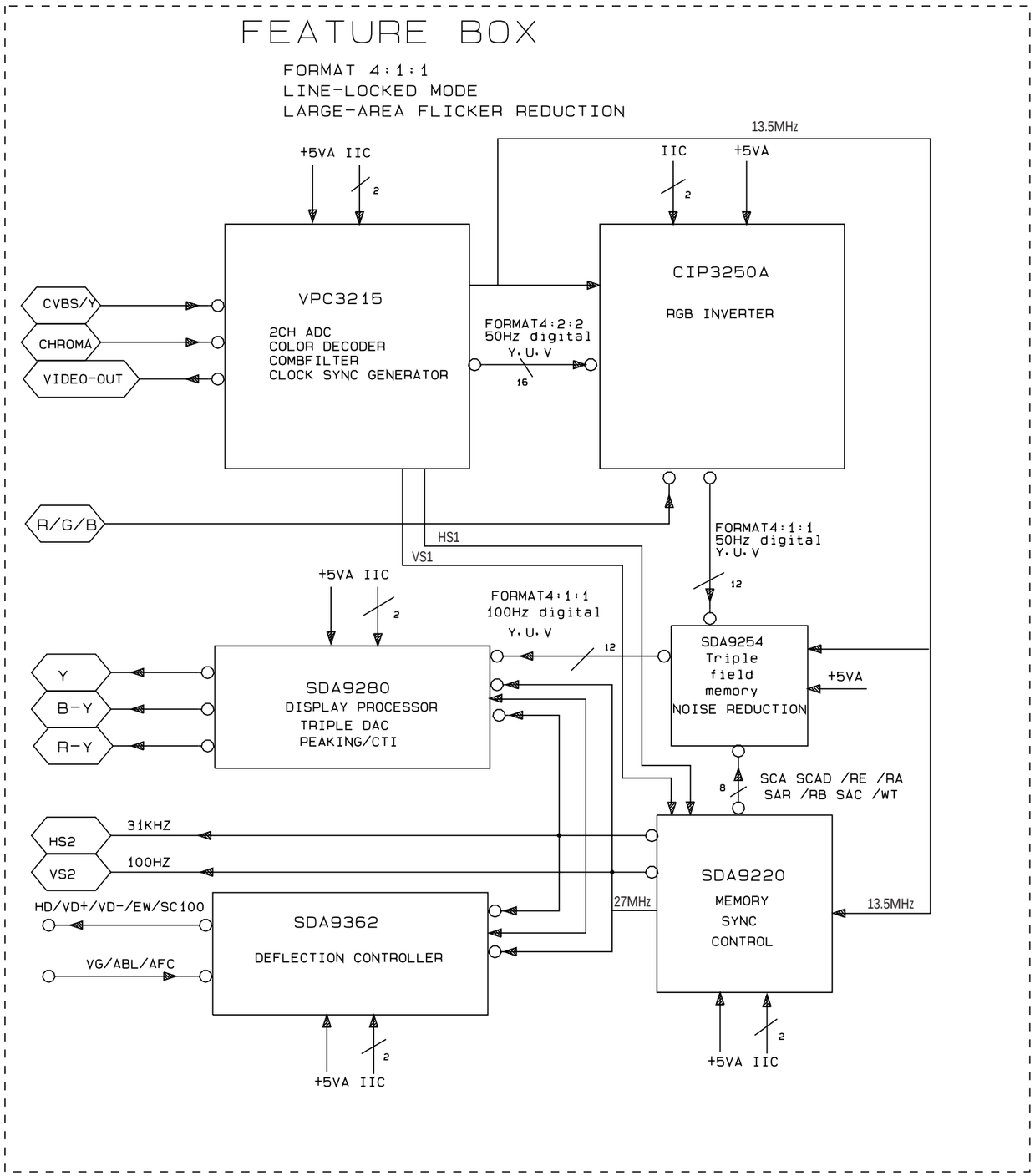
MEMO

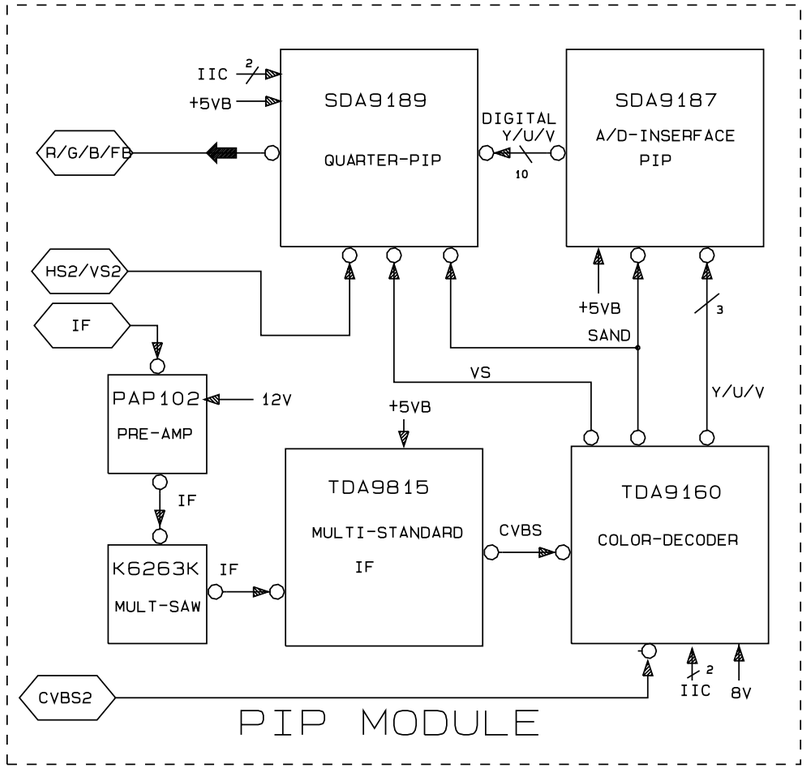
8. Block Diagrams

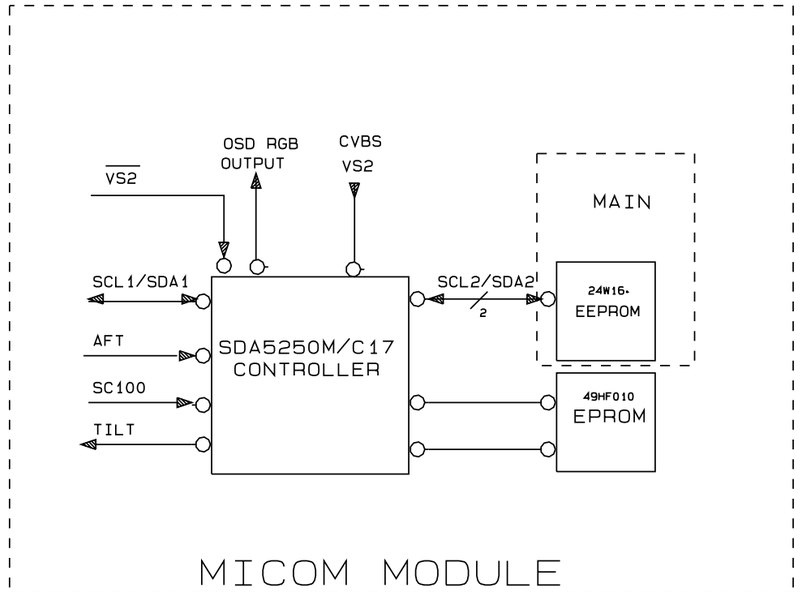
8-1 MAIN



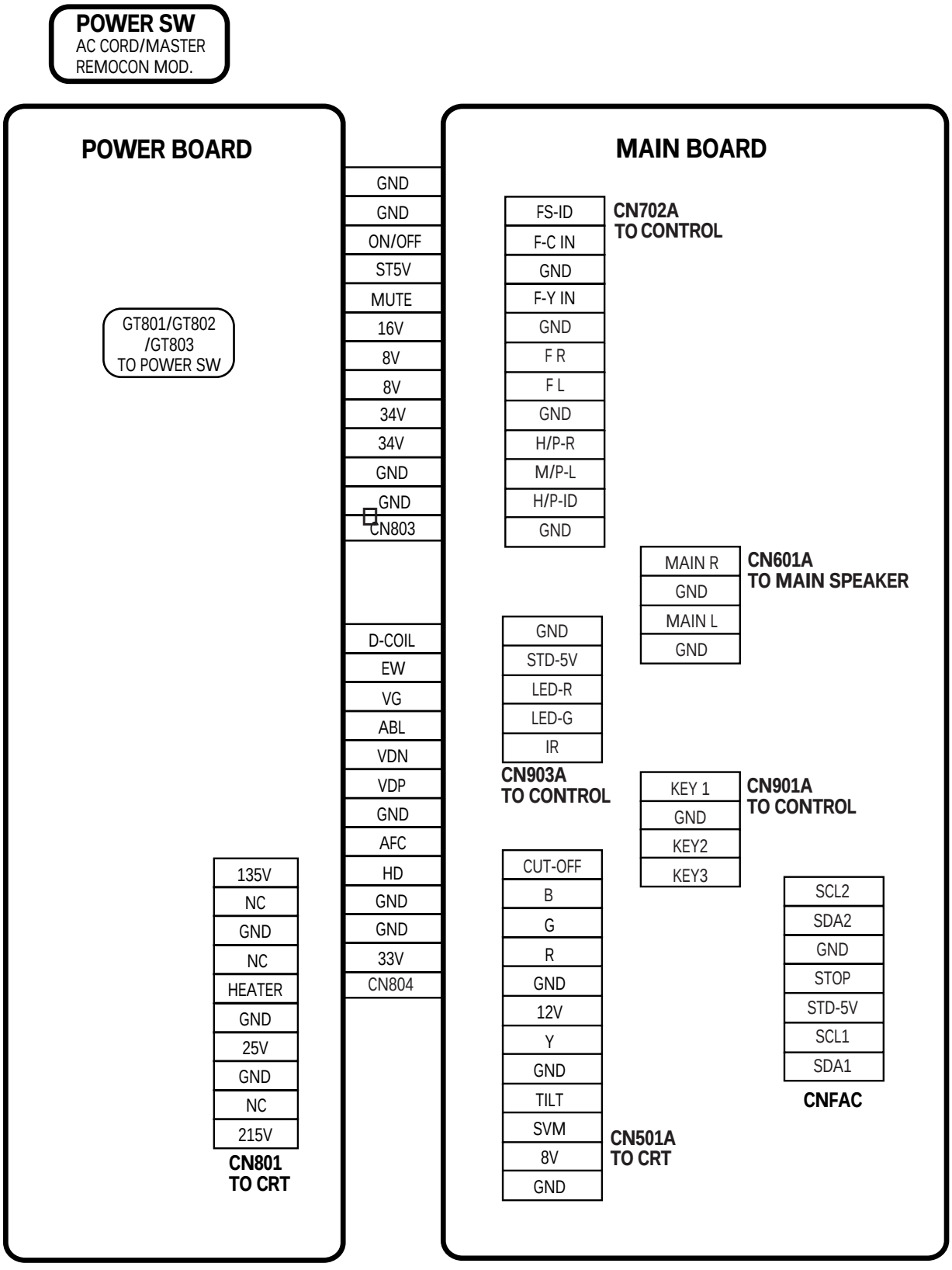
8-2 FEATURE BOX, MICOM MODULE







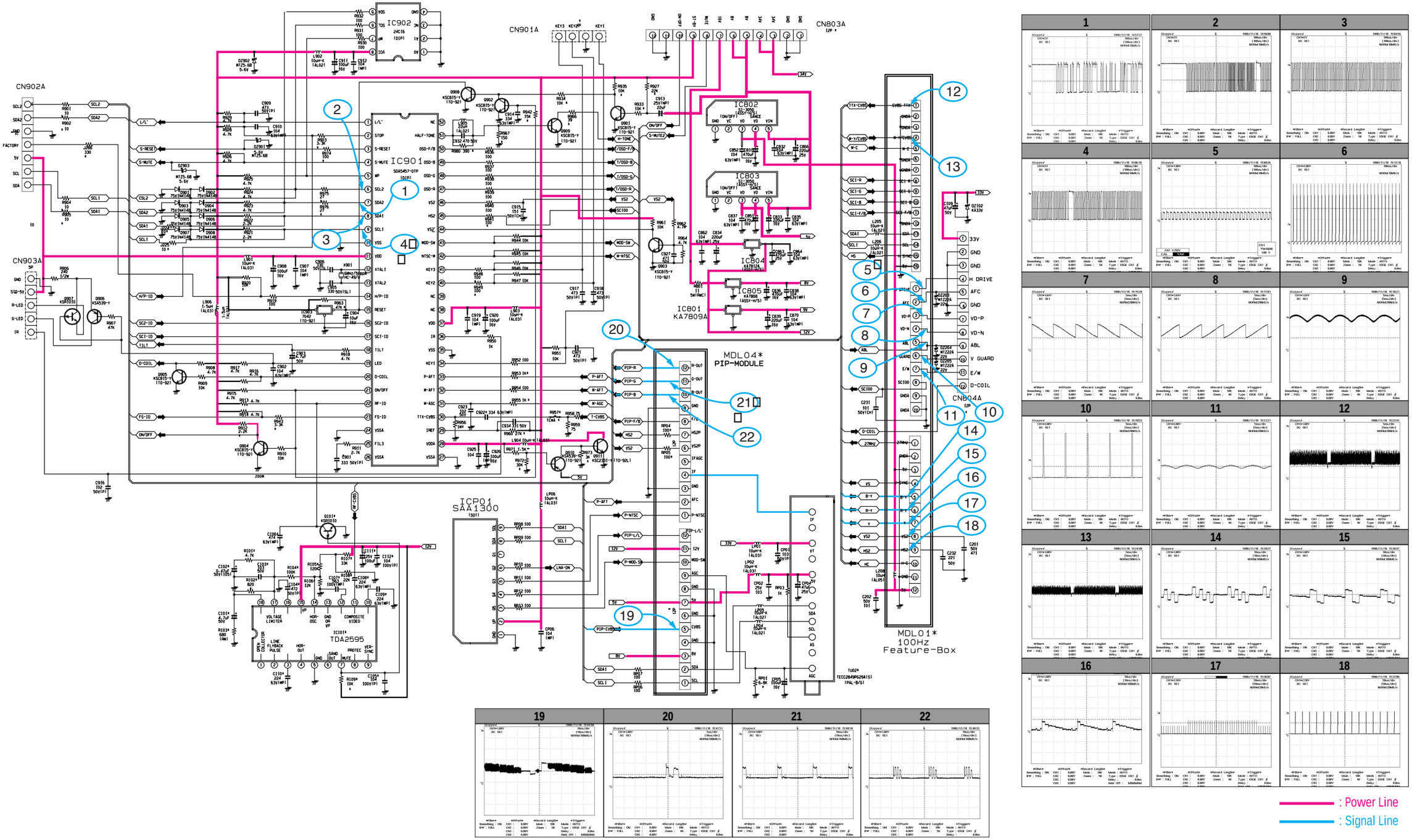
9. Wiring Diagram



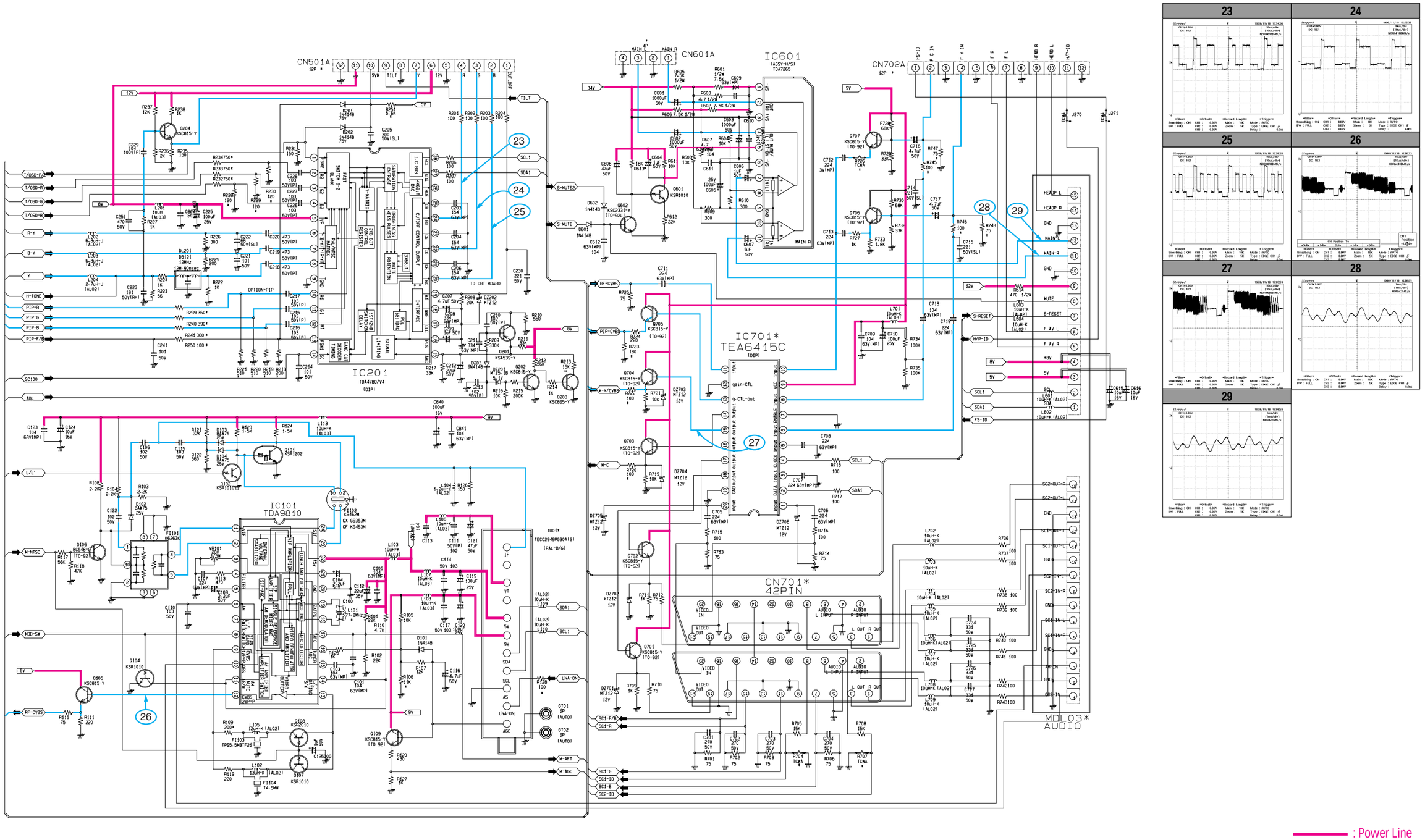
MEMO

10. Schematic Diagrams

10-1 MAIN 1

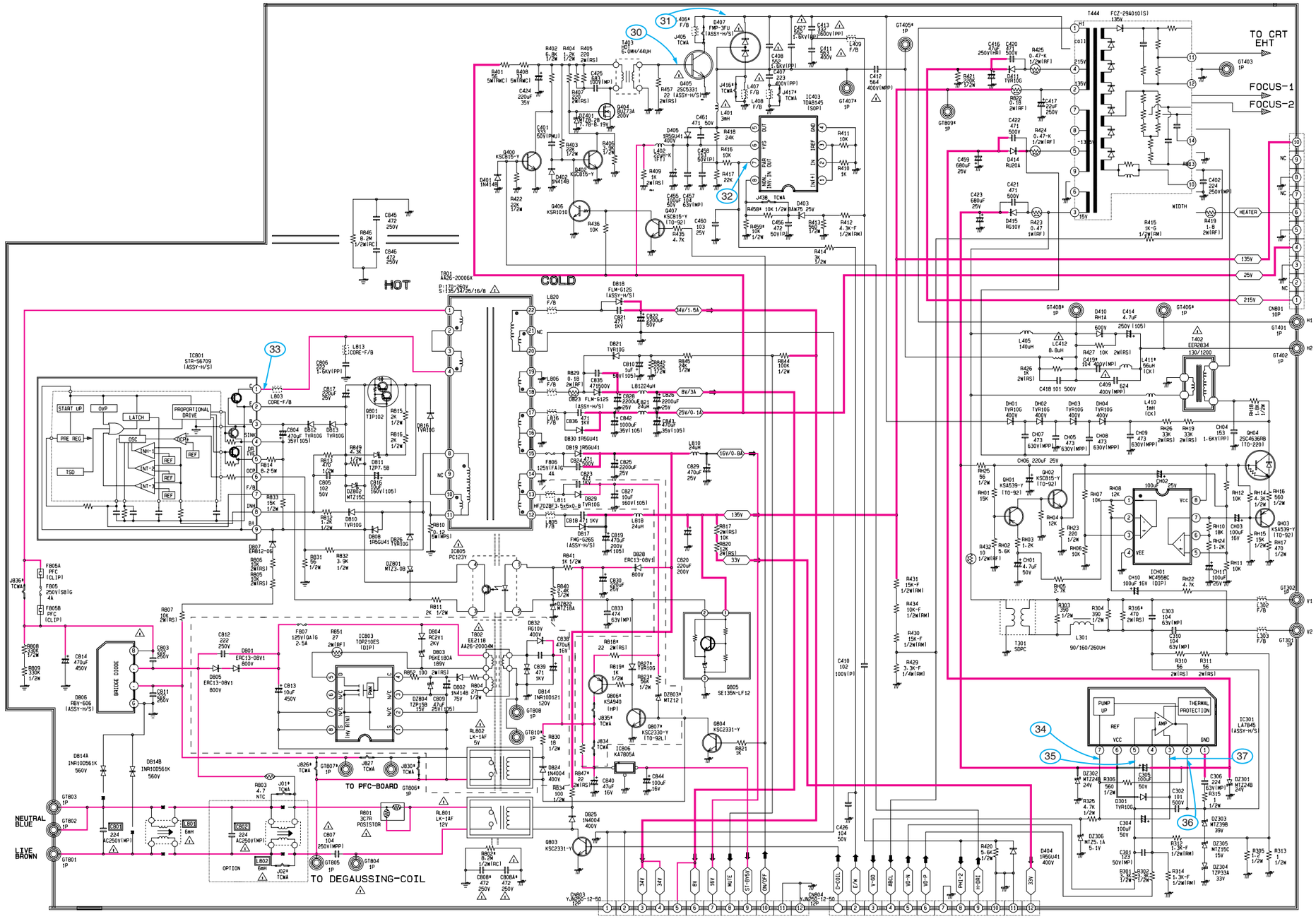


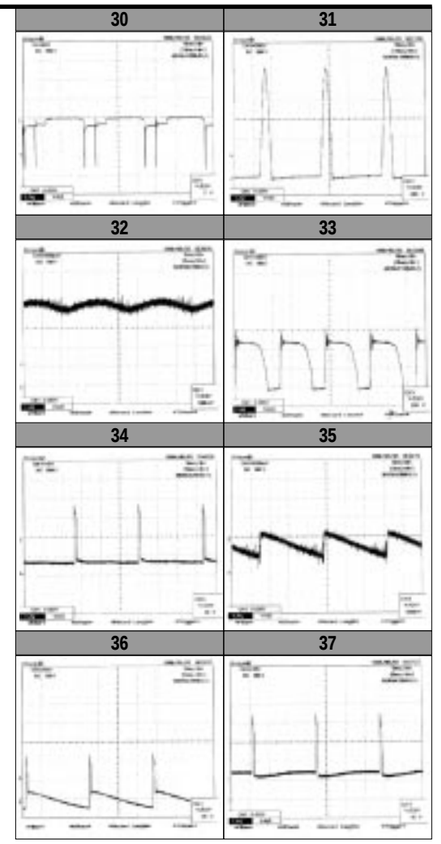
10-2 MAIN 2



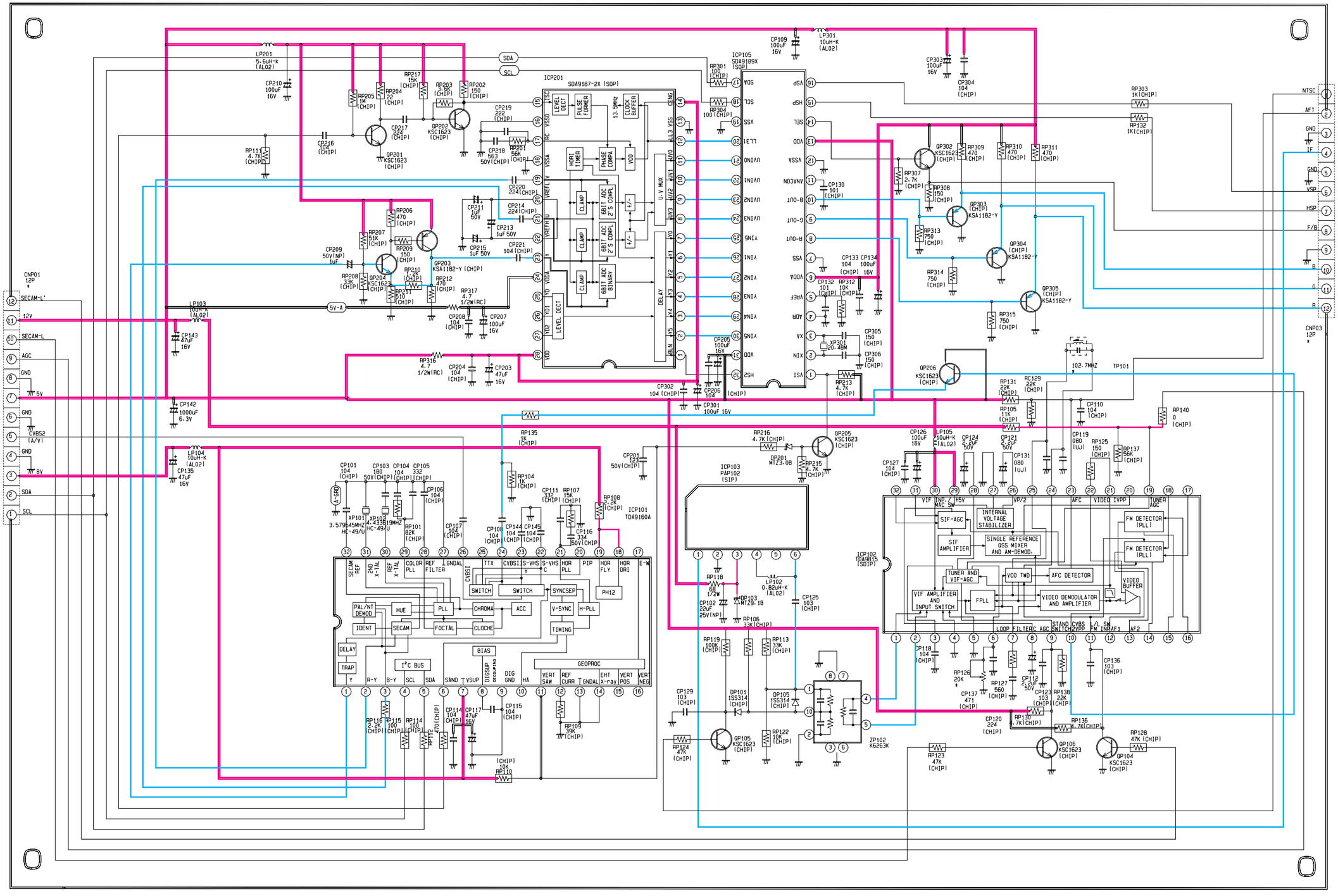
: Power Line
: Signal Line

10-3 POWER & DEFLECTION



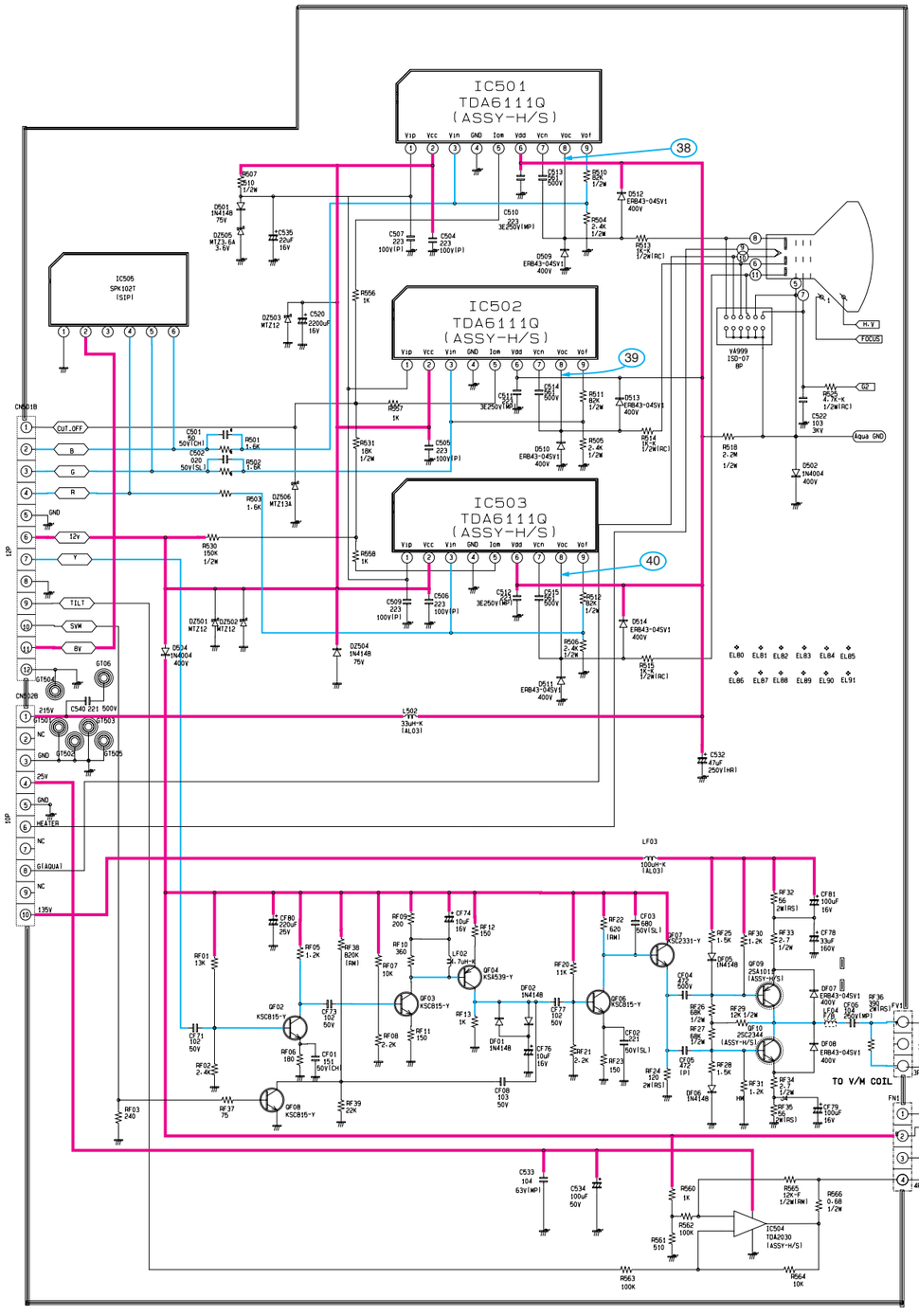


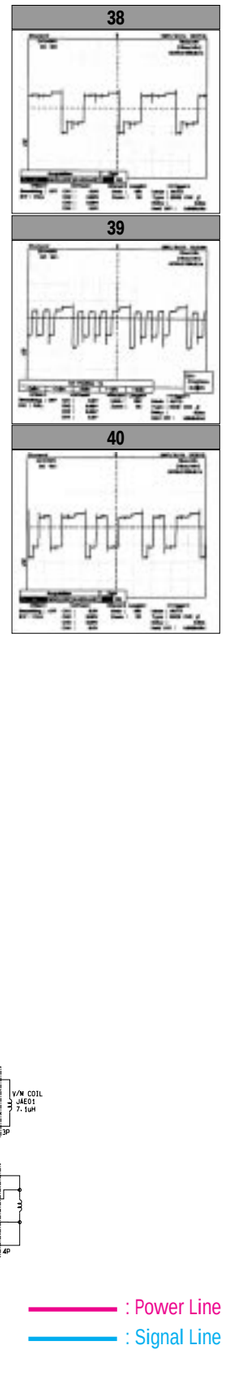
10-4 PIP


ICP201
SDA9187-2X (SOP)
ICP105
SDA9189X
(SOP)
ICP101
TDA9160A
ICP102
TDA9815
(SOP)
ICP103
PAP102
(SIP)
SDA
SCL
5V-A
CNP01
12P
CNP03
12P
SECAM-L'
12V
SECAM-L
AGC
GND
5V
CVBS2
(A/V)
BV
LP201
5.6uH-k
(AL02)
LP103
10uH-K
(AL02)
LP104
10uH-K
(AL02)
LP105
10uH-K
(AL02)
LP301
10uH-K
(AL02)
LP102
0.82uH-K
(AL02)
XP101
3.579545MHZ
HC-49/U
XP103
4.433619MHZ
HC-49/U
XP301
20.48M
102.7MHZ
TP101
ZP102
K6263K
DP101
1SS314
(CHIP)
DP103
MTZ9.1B
DP201
MTZ3.0B
QP201
KSC1623
(CHIP)
QP202
KSC1623
(CHIP)
QP203
KSA1182-Y (CHIP)
QP204
KSC1623
(CHIP)
QP205
KSC1623
(CHIP)
QP206
KSC1623
(CHIP)
QP302
KSC1623
(CHIP)
QP303
(CHIP)
KSA1182-Y
QP304
(CHIP)
KSA1182-Y
QP305
(CHIP)
KSA1182-Y
QP105
KSC1623
(CHIP)
QP106
KSC1623
(CHIP)
QP104
KSC1623
(CHIP)
SDA9187-2X (SOP)
LEVEL DECT
PULSE FORMER
13.5MHz
CLOCK BUFFER
HORI TIMER
PHASE COMPR.
VCO
CLAMP
6BIT ADC 2'S COMPL
6BIT ADC BINARY
U-V MUX
DELAY
LEVEL DECT
SDA9189X
(SOP)
VSP
HSP
SEL
VDD
VSSA
ANACON
B-OUT
G-OUT
R-OUT
VSS
VDDA
VREF
ADR
XA
XIN
VSI
HS2
SDA
SCL
VSS
LL31
UVIN0
UVIN1
UVIN2
YINO
YIN1
YIN2
YIN3
YIN4
YIN5
VDD
HS1
SECAM REF
2ND X-TAL
REF X-TAL
COLOR PLL
REF FILTER
GNDAL
CVBSI
TTX
CVBSI
S-VHS Y
S-VHS C
HOR PLL
PIP
HOR FLY
HOR DRI
E-W
SWITCH
SWITCH
SYNCSEP
PH12
PAL/NT DEMOD
HUE
PLL
CHROMA
ACC
V-SYNC
H-PLL
IDENT
SECAM
FOCTAL
CLOCHE
TIMING
DELAY
TRAP
BIAS
I²C BUS
GEOPROC
Y
R-Y
B-Y
SCL
SDA
SAND
VSUP
DIGSUP
DIG GND
HA
VERT SAW
REF CURR
GNDAL
EHT X-ray
VERT POS
VERT NEG
VIF INP. / 15V MAC SW
INTERNAL VOLTAGE STABILIZER
VP/2
AFC
VIDEO IVPP
TUNER AGC
SIF-AGC
SIF AMPLIFIER
SINGLE REFERENCE QSS MIXER AND AM-DEMOD.
FM DETECTOR (PLL)
FM DETECTOR (PLL)
TUNER AND VIF-AGC
VCO TWD
AFC DETECTOR
VIDEO BUFFER
VIF AMPLIFIER AND INPUT SWITCH
FPLL
VIDEO DEMODULATOR AND AMPLIFIER
LOOP FILTER
AGC SWITCH
CVBS
STAND BY
SCL
SDA
IF
INPAF1
AF2
NTSC
AFT
GND
IF
GND
VSP
HSP
F/B
B
G
R
RP101 82K (CHIP)
RP102 470 (CHIP)
RP103 3.3K (CHIP)
RP104 1K (CHIP)
RP105 11K (CHIP)
RP106 33K (CHIP)
RP107 15K (CHIP)
RP108 2.2K (CHIP)
RP109 39K (CHIP)
RP110 10K (CHIP)
RP111 4.7K (CHIP)
RP112 470 (CHIP)
RP113 33K (CHIP)
RP114 100 (CHIP)
RP115 100 (CHIP)
RP116 2.2K (CHIP)
RP118 68 1/2W
RP119 100K (CHIP)
RP120 4.7K (CHIP)
RP121 2.2uF 50V
RP122 10K (CHIP)
RP123 47K (CHIP)
RP124 47K (CHIP)
RP125 150 (CHIP)
RP126 20K
RP127 560 (CHIP)
RP128 47K (CHIP)
RP129 103 (CHIP)
RP130 4.7K (CHIP)
RP131 22K (CHIP)
RP132 1K (CHIP)
RP135 1K (CHIP)
RP136 4.7K (CHIP)
RP137 56K (CHIP)
RP138 22K (CHIP)
RP140 0 (CHIP)
RP201 56K (CHIP)
RP202 150 (CHIP)
RP203 3.3K (CHIP)
RP204 22 (CHIP)
RP205 1M (CHIP)
RP206 470 (CHIP)
RP207 51K (CHIP)
RP208 33K (CHIP)
RP209 150 (CHIP)
RP210 1.5K (CHIP)
RP211 510 (CHIP)
RP212 470 (CHIP)
RP213 4.7K (CHIP)
RP215 4.7K (CHIP)
RP216 4.7K (CHIP)
RP217 15K (CHIP)
RP301 100 (CHIP)
RP303 1K (CHIP)
RP304 100 (CHIP)
RP307 2.7K (CHIP)
RP308 150 (CHIP)
RP309 470 (CHIP)
RP310 470 (CHIP)
RP311 470 (CHIP)
RP312 10K (CHIP)
RP313 750 (CHIP)
RP314 750 (CHIP)
RP315 750 (CHIP)
RP316 4.7 1/2W(RC)
RP317 4.7 1/2W(RC)
CP101 104 (CHIP)
CP102 22uF 25V(NP)
CP103 180 50V(CHIP)
CP104 104 (CHIP)
CP105 332 (CHIP)
CP106 104 (CHIP)
CP107 104 (CHIP)
CP108 104 (CHIP)
CP109 100uF 16V
CP110 104 (CHIP)
CP111 332 (CHIP)
CP112 2.2uF 50V
CP113 104 (CHIP)
CP114 104 (CHIP)
CP115 104 (CHIP)
CP116 334 50V(CHIP)
CP117 47uF 16V
CP118 104 (CHIP)
CP119 080 (UJ)
CP120 224 (CHIP)
CP121 2.2uF 50V
CP123 103 (CHIP)
CP124 2.2uF 50V
CP125 103 (CHIP)
CP126 100uF 16V
CP127 104 (CHIP)
CP129 103 (CHIP)
CP130 101 (CHIP)
CP131 080 (UJ)
CP132 101 (CHIP)
CP133 104 (CHIP)
CP134 100uF 16V
CP135 47uF 16V
CP136 103 (CHIP)
CP137 471 (CHIP)
CP142 1000uF 6.3V
CP143 47uF 16V
CP201 123 50V(CHIP)
CP202 104 (CHIP)
CP203 47uF 16V
CP204 104 (CHIP)
CP205 100uF 16V
CP206 104 (CHIP)
CP207 100uF 16V
CP208 104 (CHIP)
CP209 50V(NP) 1uF
CP210 100uF 16V
CP211 1uF 50V
CP213 1uF 50V
CP214 224(CHIP)
CP215 1uF 50V
CP216 104 (CHIP)
CP217 224 (CHIP)
CP218 563 50V(CHIP)
CP219 222 (CHIP)
CP220 224(CHIP)
CP221 104 (CHIP)
CP301 100uF 16V
CP302 104 (CHIP)
CP303 100uF 16V
CP304 104 (CHIP)

10-5 CRT-DRIVE, AUDIO

CRT-DRIVE

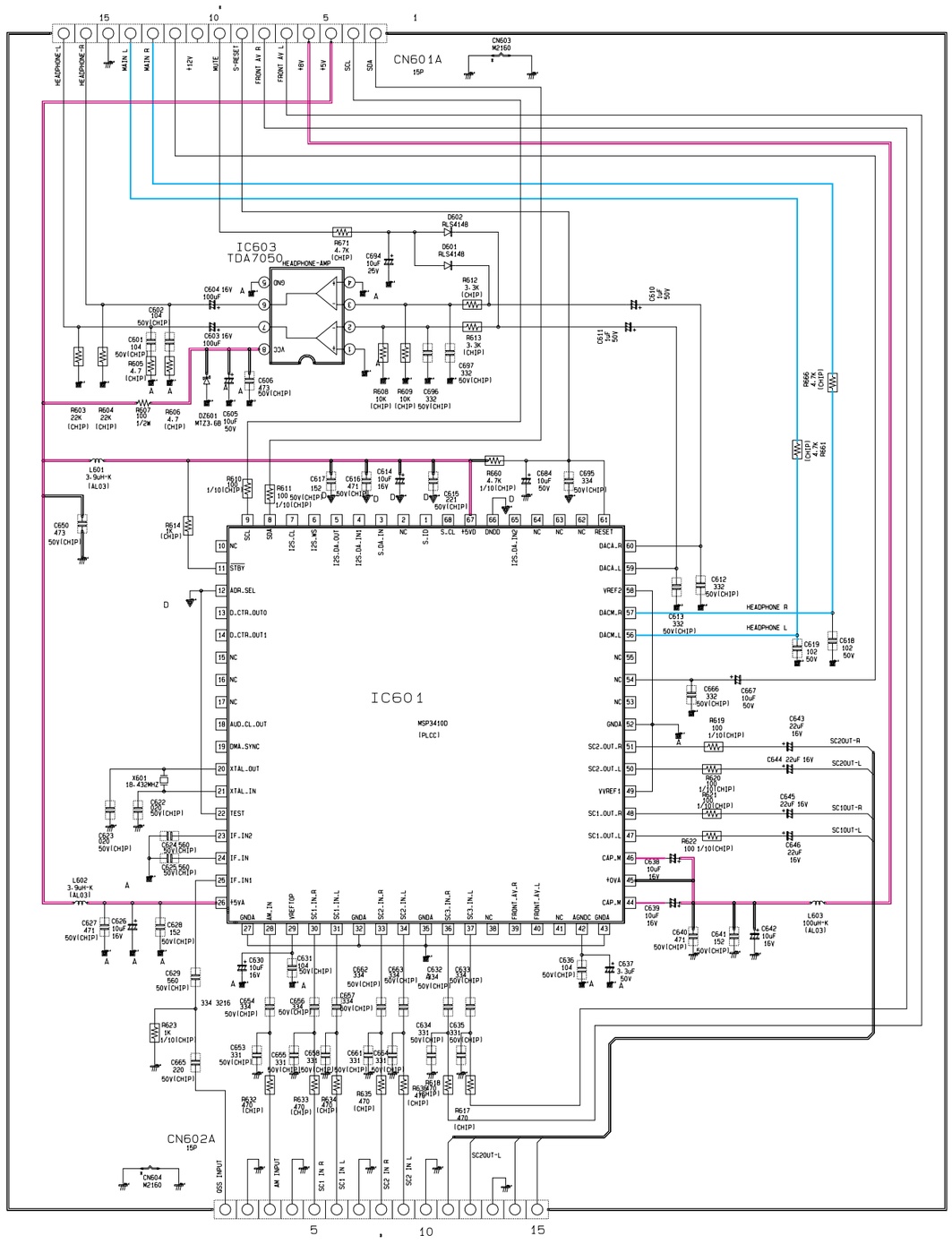




: Power Line

: Signal Line

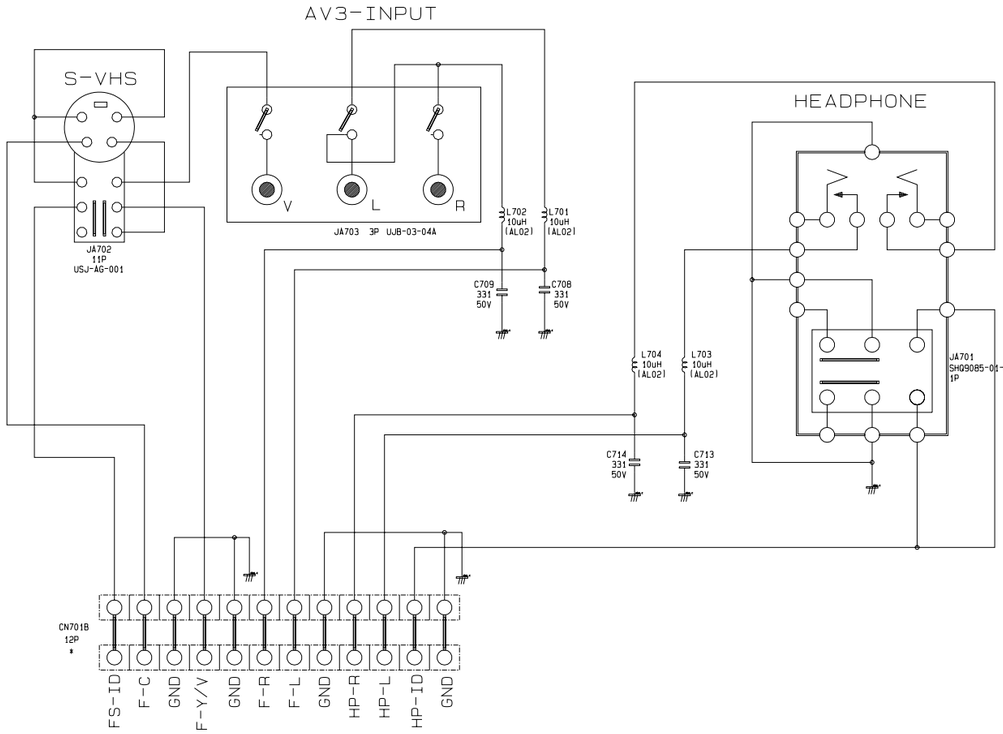
AUDIO

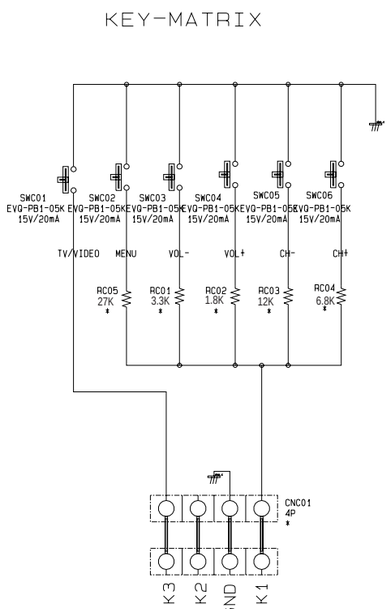


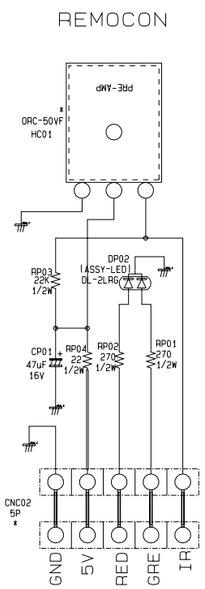
10-6 SIDE-A/V, CONTROL

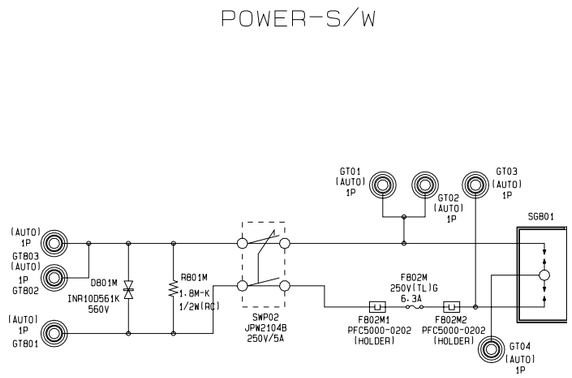
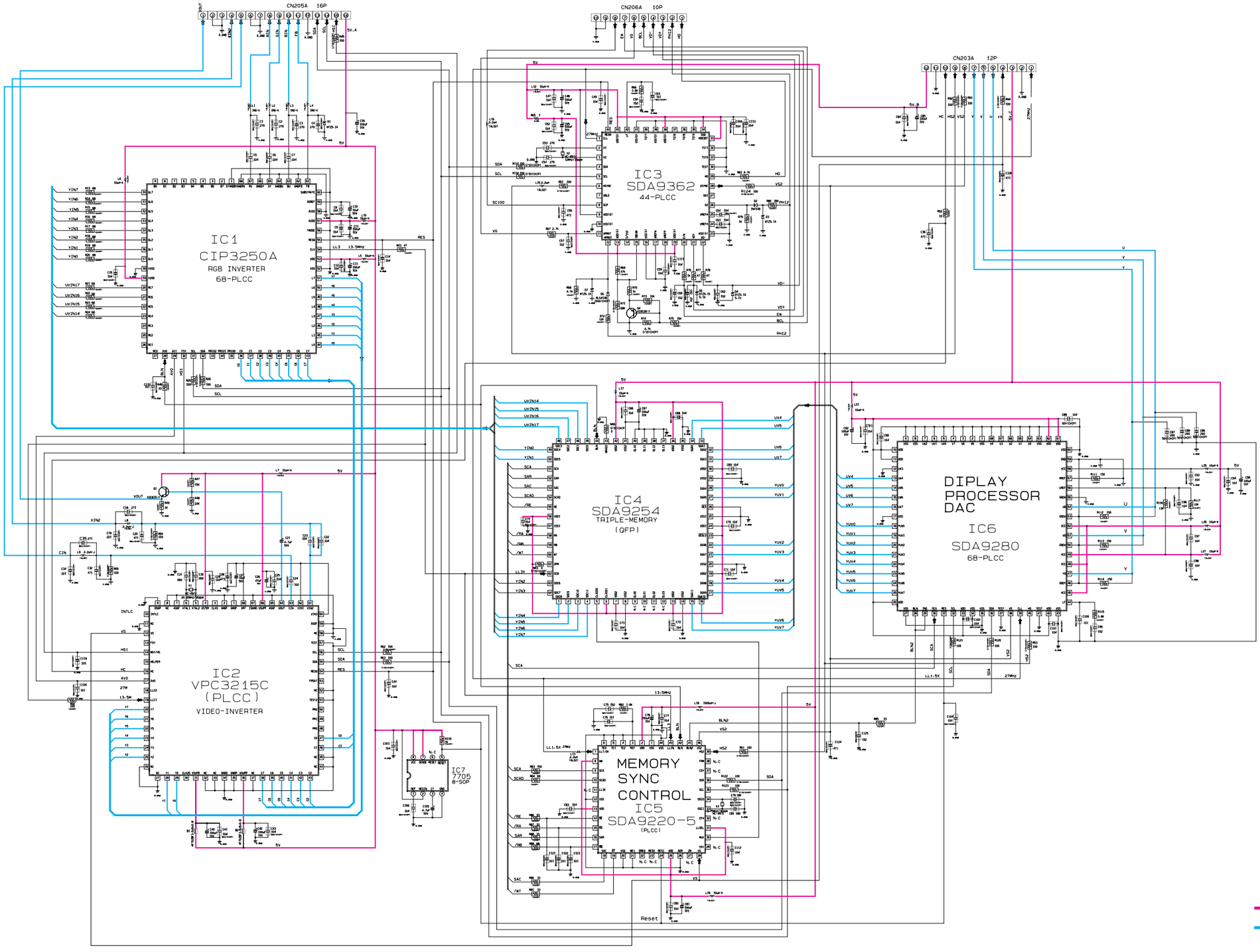
SIDE - A/V

CONTROL









10-7 FEATURE BOX